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THORBURN'S

40,

High Class

SEEDS



J. M. Thorburn & Co.

85 BARCLAY STREET,
38 PARK PLACE, NEW YORK CITY.

Complete Assortments of Kitchen-Garden Seeds for Private Families

These assortments contain only the choicest sorts, and are sure to give satisfaction. They are prepared in advance in order to facilitate our work, on which account a considerable reduction from the catalogue prices is made. The reduced price will not be allowed unless the assortment is taken without change.

No. 1. PRICE, \$2.50; BY MAIL OR EXPRESS, \$2.75

1 pt. Beans, Refugee Green Pod.	1 pt. Corn, Perfection Sugar.	1 pa. Onion, White Globe.
1 " " Golden Wax.	1 " " Stowell's Evergreen.	1 " " Large Red Globe.
1 pa. Beet, Egyptian.	1 pa. Cucumber, Imp. White Spine.	1 " " Parsley, Extra Curled.
1 " " Globe.	1 " Eggplant, Imp. N. Y. Purple.	1 pt. Peas, Thor. Ex-e'y Market.
1 " " Cabbage, Early Wakefield.	1 " Kohlrabi, Early White Vienna.	1 " " Wrinkled Our Selection.
1 " " Red, for Pickling.	1 " Leek, Best Flag.	1 oz. Radish, Scarlet Turnip.
1 " " Carrot, Half-long.	1 " Lettuce, Big Boston.	1 " " Spinach, Viroflay.
1 " Cauliflower, Thor. Gilt Edge.	1 " " Cos, or Romaine.	1 pa. Tomato, Stone.
1 " Celery, White Plume.	1 " Melon, L. I. Beauty.	1 oz. Turnip, Milan.
1 pt. Corn, Early Bantam.	1 " " Water, Black Spanish.	

No. 2. PRICE, \$5; BY MAIL OR EXPRESS, \$5.50

1 pt. Beans, Refugee Green Pod.	1 oz. Cress, or Pepper Grass.	1 oz. Parsnip, Hollow Crown.
1 " " Early Valentine.	1 " Cucumber, Imp. White Spine.	1 pt. Peas, Thor. Ex-e'y Market.
1 " " Golden Wax.	1 pa. Eggplant, New York Purple.	1 " each Peas, Two Best Wrinkled,
1 " " Stringless Green Pod.	1 " Kohlrabi, Early White Vienna.	Our Selection.
1 " " Challenger Lima.	1 " Leek, Best Flag.	1 pa. Pepper, Chinese Giant.
1 oz. Beets, Egyptian.	1 " Lettuce, Big Boston.	1 oz. Radish, White Tipped.
1 " " Globe.	1 " " May King.	1 " " Scarlet Turnip.
1 pa. Cabbage, Early Wakefield.	1 " " Cos, or Romaine.	1 " " Scarlet Globe.
1 " " Savoy.	1 " " Giant Crystal Head.	1 " " Salsify, Thorb. Imp. Thick-r't'd.
1 " " Red, for Pickling.	1 " Melon, Netted Gem.	1 lb. Spinach, Viroflay.
1 oz. Carrot, Half-long.	1 " " Long Island Beauty.	1 pa. Squash, E'y Bush C'kneck.
1 pa. Cauliflower, Thor. Gilt Edge.	1 " " Water, Sugar Stick.	1 " " Hubbard.
1 " " Thor. Snowball.	1 " " Black Spanish.	1 oz. " Boston Marrow.
1 " Celery, White Plume.	1 oz. Okra, Perkin's Improved.	1 pa. Tomato, Early June Pink.
1 " " Fin de Siecle.	1 " Onion, White Globe.	1 " " Stone.
1 pt. Corn, Early Bantam.	1 " " Large Red Globe.	1 oz. Turnip, Milan.
1 " " Country Gentleman.	1 pa. Parsley, Extra Curled.	1 " " Yellow Stone.
1 " " Stowell's Evergreen.		

No. 3. PRICE, \$10; BY MAIL OR EXPRESS, \$11

1 qt. Beans, Refugee Green Pod.	1 qt. Corn, Country Gentleman.	2 ozs. Parsnip, Hollow Crown.
1 pt. " Early Valentine.	1 " " Stowell's Evergreen.	1 qt. Peas, Thor. Ex-e'y Market.
1 " " Golden Wax.	1 oz. Corn Salad, Large Seeded.	1 pt. each Peas, Four Best Wrinkled,
1 " " Stringless Green Pod.	2 " Cress, or Pepper Grass.	Our Selection.
1 " " Old Homestead.	1 " Cucumber, Imp. White Spine.	1 pa. Pepper, Chinese Giant.
1 " " Challenger Lima.	1 pa. Eggplant, Imp. N. Y. Purple.	2 oz. Radish, White Tipped.
2 ozs. Beet, Egyptian.	1 oz. Endive, Green Curled.	2 " " Scarlet Turnip.
2 " " Globe.	1 " " Broad-leaved.	1 " " Early White Turnip.
2 " " Half Long.	1 " Kohlrabi, Early White Vienna.	2 " " Scarlet Globe.
1 pa. Brussels Sprouts, Half Dw'f.	1 pa. Leek, Best Flag.	1 " " Chinese Winter.
1 oz. Cabbage, Early Wakefield.	1 oz. Lettuce, Big Boston.	2 " Salsify, Thor. Imp. Thick-r't'd.
1 " " Early Spring.	1 " " May King.	1 lb. Spinach, Viroflay.
1 " " Savoy.	1 " " Cos, or Romaine.	1 oz. Squash, E'y Bush Cr'k-neck.
1 " " Thor. Priv. Stock	1 " " Giant Crystal Head.	1 pa. " Hubbard.
1 " " Red, for Pickling.	1 pa. Melon, Long Island Beauty.	1 oz. " Boston Marrow.
1 " Carrot, Early French Forcing.	1 " " Netted Gem.	1 pa. Tomato, Early June Pink.
1 " " Half Long.	1 " " Water, Sugar Stick.	1 " " Stone.
1 " Cauliflower, Thor. Gilt Edge.	1 " " Water, Black Spanish.	1 " " Beauty.
1 pa. " Thorburn Snowball.	2 ozs. Okra, Perkin's Improved.	1 " " Royal Red.
1 oz. Celery, Fin de Siecle.	2 " Onion, Yellow Danvers.	1 oz. Turnip, Thor. Fam. Rutabaga.
1 " " White Plume.	1 " " Large Red Globe.	1 " " Milan.
1 pa. " Golden Self-blanching.	2 " " White Globe.	1 " " Yellow Stone.
1 qt. Corn, Early Bantam.	1 " Parsley, Extra Curled.	1 pa. each Herbs, Five Varieties.
1 " " Perfection Sugar.		

No. 4. PRICE, \$18; BY MAIL OR EXPRESS, \$20

2 qt. Beans, Refugee Green Pod.	2 qts. Corn, Perfection Sugar.	4 ozs. Parsnip, Hollow Crown.
2 " " Early Valentine.	2 " " Country Gentleman.	1 qt. Peas, Thor. Ex-e'y Market.
1 " " Golden Wax.	3 " " Stowell's Evergreen.	7 qts. Peas, Four Best Wrinkled,
1 " " Stringless Green Pod.	4 ozs. Corn Salad, Large-seeded.	Our Selection.
1 " " Old Homestead.	1 oz. Cress, or Pepper Grass.	1 oz. Pepper, Chinese Giant.
1 " " Challenger Lima.	2 " Cucumber, Imp. White Spine.	1 " " Sweet Salad.
4 oz. Beet, Egyptian.	1 " Eggplant, Imp. N. Y. Purple.	4 " Radish, White Tipped.
4 " " Globe.	1 " Endive, Green Curled.	4 " " Scarlet Turnip.
4 " " Half Long.	1 " " Broad-leaved.	4 " " Early White Turnip.
1 pa. Brussels Sprouts, Half Dwarf.	1 " Kohlrabi, Early White Vienna.	2 " " Scarlet Globe.
1 oz. Cabbage, Early Wakefield.	1 " Leek, Best Flag.	2 " " Chinese Winter.
1 " " Early Spring.	1 " Lettuce, Big Boston.	4 ozs. Salsify, Thor. Imp. Thick-r't'd.
1 " " Savoy.	1 " " May King.	1 lb. Spinach, Viroflay.
1 " " Thorburn Private	1 " " Cos, or Romaine.	1 oz. Squash, Early Bush Crookneck.
Stock Flat Dutch.	1 " " Giant Crystal Head.	1 " " Hubbard.
1 " " Red, for Pickling.	2 " Melon, Netted Gem.	1 " " Boston Marrow.
4 " Carrot, Early French Forcing.	2 " " Long Island Beauty.	1 " Tomato, Early June Pink.
4 " " Half Long.	2 " " Water, Sugar Stick.	1 " " Stone.
1 " Cauliflower, Thor. Gilt Edge.	2 " " Water, Black Spanish.	1 pa. " Beauty.
1 pa. " Thorburn Snowball.	4 " Okra, Perkin's Improved.	1 " " Royal Red.
1 oz. Celery, Fin de Siecle.	2 " Onion, Yellow Danvers.	2 ozs. Turnip, Milan.
1 " " White Plume.	4 " " White Globe.	2 " " Yellow Stone.
1 " " Golden Self-blanching.	2 " " Large Red Globe.	1 " " Thor. Fam. Rutabaga.
2 qts. Corn, Early Bantam.	2 " Parsley, Extra Curled.	1 pa. each Herbs, Five Varieties.

J. M. THORBURN & CO.

ONE-HUNDRED-AND-ELEVENTH ANNUAL CATALOGUE OF HIGH-CLASS SEEDS



HIS is our One-Hundred-and-Eleventh successive Annual Catalogue. We are growers and importers of High-Class Seeds, Bulbs and Roots only.

It is important that orders be sent on receipt of this Catalogue, instead of waiting till the spring, when we are so busy that there is sometimes unavoidable delay in filling them, even by night work.

Cultural Directions.—These apply to the climate of New York and vicinity. For more northern and southern localities the necessary changes in time of sowing, etc., will readily suggest themselves to gardeners.

When desired, we will select suitable seeds if the size of garden or the sum proposed to be expended is stated.

Orders should be written on our order sheet or on a blank sheet separate from letter, *preferably in ink*, and to receive prompt attention should be directed to the firm, and not to individuals. Orders from new customers should be accompanied by a remittance in the form of a Post Office or Express Money Order, Bank Check or Bank Bills.

PRICES.—The prices quoted are net, and do NOT include free transit, EXCEPT FOR SEEDS IN PACKETS, OUNCES or QUARTER-POUNDS, on which WE pay postage or expressage anywhere in the U. S.

Seeds by Mail or Express.—8 cents per pound should be added if wanted by mail or prepaid express in the United States, and 16 cents per pound in Canada, except for seeds ordered by the packet, ounce or $\frac{1}{4}$ lb., which we mail free. By special arrangement with the express companies we can ship seeds and bulbs at a reduction of 20 per cent from the regular rates. Unless otherwise instructed, we send orders from parties unknown to us, C. O. D.

It sometimes happens that certain articles are not ready when the bulk of the goods ordered is shipped. In such cases, rather than hold back the whole order, we send what is ready and keep a memorandum of what is to follow when available. Customers would, therefore, in such cases, do well to await our advices or invoices before writing in regard to items not sent them.

Name, Address, etc.—We beg our correspondents to give us on *each* order the correct name and address; also to indicate *very precisely* the means of carriage which they prefer, **mail, express or freight**, and the office or railroad station which best serves their locality. In case these directions are not followed out, or if they are not sufficient, we shall ourselves choose the most advantageous and convenient means, but entirely at the risk of the customer.

Warranties.—Seeds of best quality will often fail through improper treatment. Thus, a small seed may be sown so deeply that the young plant cannot reach the surface. *More failures result from disregard of the conditions necessary to germination than from inferiority of the seeds used.*

These conditions are: a proper temperature, sufficient moisture, and free access of air. Besides these, the soil must be in proper condition, and present no physical obstacle to the growth of the young plant. If heavy rains have compacted the surface of the soil, and the sun has baked it to a hard crust, it will be impossible, even if all other conditions are favorable, for the seedling plants to force their way through it, and many perish from this cause alone. Seeds differ greatly as to the temperature required for germination. Beets, Cress, Peas, etc., germinate rapidly at a temperature of 45°; but if Melons and other seeds of that family, bush or pole Beans, and other plants of subtropical origin, are sown under the same conditions, they will be apt to decay, as for their prompt germination they require a heat of at least 60°. For this reason many seeds fail yearly from too early sowing. The second condition, proper moisture, is likely to be violated by an excess rather than by too small a portion. The proper amount is that which a well-drained soil will naturally hold. Free access of air is all-important, and this is interfered with by an excess of water in the soil. In germination complex chemical changes take place in the seeds, in which the air performs an important part. A portion of the seed is consumed, carbonic acid gas being given off in changing the starch and other constituents of the seed into nutriment to forward the growth of the germ or embryo plant, which depends upon the contents of the seed until it forms roots below ground and leaves above, and is able to sustain itself. Besides these conditions affecting the germination of the seed, the young plants, after they have made their way to the surface, are liable to various accidents; a sudden current of very cold air, or a continuous drying wind, may check their growth, or destroy them altogether. In addition, there are numerous insects, both below and above ground, that may attack the plants, some of them being so small that they often destroy a crop before they are discovered. *We may also mention the well-known tendency of many vegetables to revert to their original types, notwithstanding the care of the seed-grower, the yellow-podded wax Beans becoming green, the yellow and white Celery becoming more or less green, dwarf Peas becoming running sorts, etc.*

J. M. Thorburn & Co. give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

F. W. BRUGGERHOF, President
E. E. BRUGGERHOF, Vice-President and Treasurer
A. PROTIN, Asst. Treasurer
J. J. WILSON, Secretary

J. M. Thorburn & Co.
New York

ALL COMMUNICATIONS SHOULD BE ADDRESSED TO THE COMPANY
Telephone No. 6445 and 6446 Barclay. Private Exchange connecting all departments



PORTION OF OUR TRIAL-GROUNDS

Directions for the Cultivation of Vegetables

To secure a good crop of vegetables, three things at least are necessary; viz., a suitable soil, pure seed and clean culture. The exposure for a vegetable-garden should be south or southeast, or nearly so. The soil should be naturally rich and friable, a sandy loam being about the best. If the soil be stiff, it should be gradually mellowed by the free use of barnyard manure, or, if convenient, by the addition of sand. If wet, or inclined to hold an excess of moisture, it should be underdrained, preferably by tile; but, if possible, a location should be selected naturally dry and free from surface water.

A dark-colored soil, or one supplied with a goodly portion of decayed vegetable matter, will produce the earliest crops. If the soil be shallow, it should be deepened gradually by plowing or spading an inch or two deeper each year, and not all at once by trenching or subsoiling, unless manure and money both be abundant. A sandy soil may be greatly improved by adding vegetable mold from the woods. To produce the best results, the vegetable garden should have at least one foot of good, rich soil. The roots of large trees should not be allowed to encroach on any part of the garden, though large trees, especially evergreens, sufficiently far off, afford a valuable protection on the north and west.

Mark the garden off into squares or beds of convenient size, to facilitate the practice of a rotation of crops, which is an important matter. As a rule, never let the same crop or kind of vegetable occupy the same bed or spot two years in succession. Potatoes, onions, and a few other things, may form exceptions to this rule. Every year the beds must be warmed up by a liberal coat of manure, which should be thoroughly mixed with the soil. From seed sown in drills, larger crops from a given surface are grown, and cultivation is simple and comparatively easy. The space between the drills, and other special information, is given in the body of the Catalogue; the least distance is named, in order to economize space; it might be increased in some cases to advantage. The ground should be frequently hoed, to kill the weeds, and to keep the soil mellow; and the proper time to hoe is just when the weeds appear above the ground.

Much time may be gained by starting certain kinds of plants in a hotbed, or even in a coldframe, the latter being a convenient thing, even on a small place. The hotbed is chiefly intended for raising early Tomatoes, Eggplants, Peppers, Cabbage, Cauliflower, Lettuce, etc., but as all these plants can now be bought cheaply of the seedsmen at the proper time, the expense and labor of a hotbed may be dispensed with, especially on small places.

To prepare a coldframe.—The coldframe is simply a frame set on the ground, no bottom heat being applied. It is banked up on the outside during the winter with salt hay, straw or coarse litter. The soil is prepared by forking in and thoroughly mixing to the depth of 10 to 12 inches a liberal quantity of old, well-rotted manure. The manure of an old hotbed is good for the purpose. The frame is prepared in fall, and young Cabbage, Cauliflower, and Lettuce plants are set out in it in time to get well established before very cold weather. Cauliflower and Cabbage should be set down to the first leaf, and the soil made firm around the plants. The seed is usually sown, in the vicinity of New York, from the 15th to the 20th of September, but the very early kinds some 8 or 10 days later. The young plants will be ready to transplant in about 25 to 30 days. During the cold nights and stormy days, the beds should be closely covered with the sashes, and these further protected by straw mats or shutters. Cauliflower needs more and closer protection than Cabbage, as it is rather more tender. During mild days admit air freely, the object being to keep the plants in a dormant state, without actual freezing, so that when spring comes they are in a forward state for setting out early crops. Seeds of Cabbage, Cauliflower, Lettuce, and Radish may be sown in a cold-frame in the spring from the last week in February to the first week in March. The frame should stand in a warm and sheltered spot, and be kept from freezing by mats or a thick covering of straw during cold nights.

Directions for Making a Hotbed

In the vicinity of New York, from the first to the latter part of March is quite early enough to make a hotbed. The time must vary according to the latitude. Provide a quantity of fresh horse-manure from the stables, and add to this, if they can be had, one-third to one-half of its bulk of leaves. Mix them thoroughly, tramping down the mass in successive layers, and form into a large pile, so that fermentation will proceed, even in severely cold weather. In two or three days, fermentation will be apparent by the escape of steam from the heap. Now turn again, and allow the heap to remain two or three days longer, or until the second fermentation commences. Make an excavation or pit 2½ feet deep, and of a size suited to the number of plants required. The pit will be better if built up of brick. It should be made in some dry, sheltered spot, facing the south or east, if possible. Hotbed sashes are usually 3 x 6 feet, and one or two sashes will give early plants enough for a small family. The frame for sashes should be 18 inches high at the back and 12 inches in front, which will give the proper slope to catch the sunlight. Cross-pieces should be placed for the sashes to slide on, to facilitate opening and shutting the frames. When every thing is ready, the manure is placed in the pit and trodden down firmly in layers to the required depth, 2 to 2½ feet. Then put on the sashes, and keep the pit closed until the heat arises. At first it will probably be 100° or more, which is too hot to sow the seed in; but in two or three days it will subside to 90° or a little less, when the soil may be put on to the depth of 6 to 8 inches. The heat may be readily ascertained by plunging a thermometer into the manure. The soil should be of well-rotted sod (or common garden soil will do), mixed with about a third of fine old manure; and in this the seeds may be sown thinly in drills 2 to 3 inches apart and afterward (as soon as out of the seed-leaf) either thinned out or else transplanted to another frame. Air must be given every mild day by raising the sashes at the back. Water with tepid water whenever necessary, and during cold nights and snow-storms keep covered with mats or board shutters. Tomatoes, Peppers and Eggplants should be sown in a separate frame from Cabbage, Cauliflower and Lettuce, as they require more heat. The same directions may apply to hotbeds made on the surface of the ground, except that the manure should be at least a foot wider on all sides than the frame.

HOTBED MATS

For covering sashes. Made of jute, stitched through; hemmed with canvas and thickly padded; size, 76x76 in. One mat covers two sashes.

	Each	Per doz.
No. 1. Both sides jute.....	\$1 50	\$16 00
No. 2. One side jute, the other waterproof duck.....	2 00	22 00

HOTBED SASH

Best quality. *Packing extra, at cost.*

Unglazed. 3x6 feet.....	1 20	13 00
Glazed. 3x6 feet; 10x12 glass.....	3 50	38 00

Mastica for glazing, qt. 40 cts., gal. \$1.35.

Mastica Glazing Machines, \$1.25 each.

English Glazing Putty, \$1.75 gal., 5 and 10 gal. buckets at \$1.60 per gal.

Novelties and Specialties in Vegetable Seeds

Carpinteria Pole Lima Bean

A large-seeded bean, much thicker than the ordinary pole Lima. The vine is of vigorous growth, with many large branches or runners. The pods are very large and are closely filled with large, plump beans of excellent flavor. The pods contain from three to four beans, a large proportion having four, and are produced in great abundance. Pt. 25 cts., qt., 45 cts., $\frac{1}{2}$ pk. \$1.50, pk. \$2.50

Thorburn's New Model Beet

The finest table variety of all; tender, solid and crisp flesh; of fine flavor. The color is a dark blood-red; almost globular in shape. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Swiss Chard, Lucullus

The plants grow about two and one-half feet tall. The stalks are thick and broad and about ten inches long below the leaf. These stalks are delicious when cooked and served like Asparagus. The large leaves are heavily crinkled, tender and of fine flavor. The leaves are cooked and served like Spinach. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

New Early Cabbage, Copenhagen Market

GENUINE DANISH-GROWN SEED

Undoubtedly the finest, large, round-headed early Cabbage. The heads average about ten pounds each in weight, are very solid, and of fine quality. It matures as early as Charleston Wakefield, and will give a heavier yield per acre than that well-known variety. The plant is short-stemmed, the leaves light green, rather small, and always tightly folded. The plants, therefore, can be set closer together than is usual with varieties of similar size. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2, lb. \$7.

Jersey Wakefield Cabbage

THORBURN'S SELECTED STOCK

Undoubtedly the finest strain of this most popular well-known early variety in cultivation. The heads are extremely solid, pyramidal in shape, with very little outside foliage. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb., 85 cts., lb. \$3.

Enkhuizen Glory Cabbage

Large early sort, white and very solid. Produces fine ball-shaped heads and combines large size with earliness as no other early cabbage does. A fine market sort. One of the best. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.75.

Thorburn's Gilt Edge Cauliflower

Best and surest of all. Produces large, heavy, solid white heads of finest quality. Undoubtedly the best variety. Pkt. 25 cts., oz. \$2.25, $\frac{1}{4}$ lb. \$7.50.

Thorburn's Noroton Selected White Spine Cucumber

A selection of the Improved White Spine, but earlier, more perfect in shape and more prolific. The best slicing variety we have seen, being solid in flesh, fine-grained, tender and of delicious flavor. Vigorous healthy grower. A splendid sort for the home garden and absolutely without an equal for market. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.

Golden Cream Sweet Corn

A CROSS OF COUNTRY GENTLEMAN ON GOLDEN BANTAM

A very early yellow Country Gentleman Sweet Corn. The kernels are long and pointed, the cob is very slender and the whole ear about as long as Golden Bantam. The habit of growth is rather dwarf and the stalks bear two to four ears. It is among our earliest varieties; the color at eating stage is a rich cream, cooking to a light golden yellow. Pkt. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 40 cts.

Extra-Early Nordheim Sweet Corn

The earliest Sweet Corn in cultivation. Produces stalks from 6 to 7 feet high, each bearing three to four nearly perfect ears of finest quality. On style of Minnesota but far exceeding that variety in earliness and productiveness. Pt. 25 cts., qt. 40 cts., $\frac{1}{2}$ pk. \$1.25, pk. \$1.75.

Lettuce, "Rheingold"

Very large solid heads of pure golden yellow, a most desirable color. Stands the heat well and can be sown all through the summer. It comes next to May King in earliness. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Cos Lettuce, Golden Yellow

Produces bright golden yellow leaves and large solid hearts, crisp and tender and of excellent flavor. It stands a long time before running to seed. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

Red Cos Lettuce

A very attractive variety, productive and unusually slow in running to seed. The head of the full-grown plant is tall and entirely green with the exception of a brown-red tinge on top. The outer leaves are long, rounded at the ends and deeply colored red-brown. It usually heads well without tying. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Hybrid Casaba Muskmelon

A vigorous grower and an enormous yielder. It produces melons of large size averaging 8 to 10 inches in diameter and of unsurpassed flavor. The skin is green until the plants begin to ripen, when it turns to a light yellow. The flesh is white, rich and luscious and from 2 to 3 inches thick. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Denia Onion (GENUINE IMPORTED)

We have been fortunate in securing a small quantity of seed of this valuable Onion which was offered by us last year for the first time in America.

It is generally conceded that this is the parent type of the well-known Prizetaker, of which, however it is a far superior strain. It runs more uniform in size and is a more characteristic globe. The bulb is more compact and its rings or layers of growth are thinner. Generally the neck is smaller than Prizetaker and it seems to ripen down somewhat earlier. Pkt. 15 cts., oz. 75 cts.

New Early Dwarf Pea, "Peter Pan"

"Peter Pan," introduced last year, has proved itself to be, without doubt, the finest and earliest dwarf wrinkled Pea yet introduced. It is a tremendous cropper, producing long, dark green pods filled with peas of exquisite flavor. The plants (covered with pods) are robust in habit, and it will certainly become a favorite dwarf early Pea. Height $1\frac{1}{2}$ feet. Trial pkt. 25 cts.

Saxonia Pea

Has proved a brilliant success as the first white-seeded, extra-early round Pea with large pods, and as big a yielder as the best main-crop varieties. Trial pkt. 25 cts.

Tomato, "Dwarf Giant"

The largest fruited of all dwarf sorts. The fruits are very large and remain uniformly so throughout the season. They are produced in clusters of from four to six. The color is a rich purple-crimson well maintained throughout the entire fruit. The flesh is firm and of delicious flavor, entirely free from acidity. The plants grow two feet high and form compact bushes very strong and vigorous. The foliage is dark green. Ripens about mid-season. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

Carter's Sunrise Tomato

Early and exceedingly productive. The fruits are medium size, bright scarlet in color, uniformly smooth. It contains very few seeds, and being unusually solid it is particularly fine for slicing. Valuable for forcing or for outdoor culture. Pkt. 15 cts., 2 for 25 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Comet Tomato

A fine, rich scarlet-red variety, of matchless form; recently introduced. The fruit is smooth and round and is produced in great abundance. It is equally valuable for forcing or for growing outdoors. Pkt. 15 cts., oz. 40 cts.

Montesson Winter Turnip

A splendid new purple-top, pure white winter variety. Can endure a certain amount of frost and on that account can be left in the ground at least during the early part of the winter. The flesh is fine and sweet and of almost perfect quality. A very valuable table variety. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Flower Seed Novelties and Specialties of Merit

New Double Camellia-flowered Giant Begonia (hhA)

(Tuberous-rooted)

This may fairly be called the most striking and remarkable of all double-flowering Begonias. The plants are strong, luxuriant growers, producing their flowers most abundantly on erect stems, qualities which render it a first-class bedder. Sowings of Camellia-flowered Begonias produce 95 per cent double-flowering plants, nearly all of which come true to type. The very double flowers, measuring 4 to 5 inches across, vary in color from vivid rose to carmine and even scarlet. Though generally edged, some of them are beautifully mottled. They are of such perfect and true Camellia-shape that they may almost be taken for Camellias. Pkt. 30 cts., 2 for 50 cts.

Calceolaria hybrida, "Golden Glory"

As a greenhouse plant this new variety is invaluable, and the English introducer describes it as a hardy herbaceous perennial, claiming the plants to have withstood over 20 degrees of frost. It continues long in bloom and its glorious color makes it a striking acquisition. Pkt. 30 cts., 2 for 50 cts.

Carnation English Feathered Pink, Double Perfection (hhP)

A new superb race of Feathered Pinks producing enormous perfectly double flowers, clear white in the center of the petal, but bordered deep crimson.

Splendid for borders or for cut-flowers. Comes true from seed. Pkt. of 20 seeds 30 cts.



NEW DOUBLE CAMELLIA-FLOWERED BEGONIA

Celosia Ostrich Plume, Pride of Castle Gould (hA)

(*Celosia pyramidalis plumosa hybrida*
Castle Gould)

An entirely distinct type of *Celosia pyramidalis plumosa*. Of upright compact growth, 2 to 3 feet high, with large fine feathered heads in many variations of shades and self colors. Among the more distinct colors will be found Blood-red, Carmine, Deep Scarlet, Wine-red, Salmon, Yellow and Orange. Valuable either as a pot-plant or for bedding for sunny situations. Pkt. 25 cts., 2 for 45 cts.

Chrysanthemum Indicum— New Single Early-Flowering and Hardy Hybrids (hP)

A valuable new mixture, fine for cutting, for bedding or for pot culture. The plants grow from 12 to 15 in. high, and produce their splendid Marguerite-like flowers, as large as silver dollars, in July. The predominating colors are white, yellow, pink, and red. Flowers the first season from seed if sown in February or March. Pkt. 25 cts., 2 for 40 cts.

Dimorphotheca aurantiaca

AFRICAN ORANGE, or TRANSVAAL DAISY (hA)

A rare and extremely showy annual from Namaqualand, South Africa, of very easy culture. The plants of neat, branchy habit, grow about 12 to 15 inches high and are exceedingly profuse in flowering. Its Marguerite-like blossoms, show a unique glossy rich orange-gold, with dark-colored disc surrounded by a black zone. Well adapted for groups or borders; flowers very early planted in the open ground in sunny situations and will continue to flower during the summer. Plant in soil not over rich. Pkt. 10 cts.

Dimorphotheca aurantiaca hybrida

NEW SELECTED HYBRIDS IN SPLENDID MIXTURE (TRANSVAAL DAISY) hA

In habit, growth and foliage, as well as in the height of the plant (12 to 15 inches) and the size of the flowers (2½ to 2¾ inches across), these new hybrids are like the parent *Dimorphotheca aurantiaca*. They vary in color from the purest white to reddish and bluish white tints; sulphur-, lemon- and bright

Dimorphotheca aurantiaca hybrida, con.

golden-yellow; light orange and reddish yellow changing to pale salmon-rose, and from tender salmon to deep salmon-orange. Also varieties with different colored zones, such as white with a broad sulphur-yellow zone, and soft salmon with a deep salmon-red inner circle. Very easily raised from seed. Pkt. 25 cts., 2 for 45 cts.

Eschscholtzia Thorburni (hA)

The grandest of all Eschscholtzias and an improvement on our own original stock. In habit it is the same as the California Eschscholtzia, commonly called California Poppy, but it is decidedly distinct in its coloring, which might almost be described as barbaric in splendor. The unopened buds are of the richest deepest possible crimson, toning down in the inner side of the flower when fully matured to bright flame-color and molten gold. The flowers are larger than those of other Eschscholtzias and are borne with equal profusion. Pkt. 10 cts.

Gypsophila paniculata flore pleno (hP)

By repeated artificial crossing of the double-flowering variety and the single-flowering type, seeds of this handsome perennial have been obtained which produce about 50 per cent of double-flowering plants. The flowers are of the purest white and are indispensable for bouquets and vases. Pkt. 30c., 2 for 50c.

Linaria macedonica speciosa (hP)
(Toadflax)

Strikingly handsome, hardy perennial Toadflax, a native of the Orient, blooming freely the first year when sown early. Grows 2½ to 3 feet in height, forming very robust and vigorous-growing plants, garnished with glaucous-green foliage and producing their tall flower spikes in the greatest abundance. The individual flowers, borne in dense racemes, are one inch across and nearly two inches long, including the spur, and present a clear citron-yellow color with large orange-yellow spot on the lower lip. As the flowers last a long time in bloom, they are highly recommended for cutting. Pkt. 20 cts. each, 2 for 35 cts.



DIMORPHOTHECA AURANTIACA (see page 6)

Lobelia tupa (Devil's Tobacco)

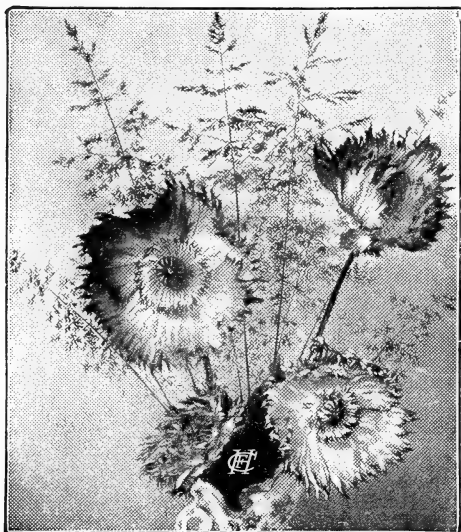
A splendid perennial plant, only within the last year or two introduced in America. Resembles in some respects a gigantic *Lobelia cardinalis*. It attains a height of 8 to 10 feet, and produces in great abundance curious beaked scarlet flowers about 2½ inches in length, and large, pale green handsome foliage. Pkt. 20 cts. each, 2 for 35 cts., 6 for \$1.

Myosotis alpestris elegantissima coerulea flore pleno
(Double Blue Forget-me-not) (hP)

A new double-flowered variety of the blue pyramidal Alpine Forget-me-not, coming nearly true from seed. Height of the plant 8 to 9 inches. The double flowers preserve their freshness for a long time. Pkt. 30 cts., 2 for 50 cts.

Myosotis, Ruth Fischer (hP)

This novelty appears likely to supersede those popular Forget-me-nots, "Love Star" and "Blue Perfection," since it happily unites the good qualities of both sorts. It is of particularly neat and compact habit and the very lovely flowers shoot up strong over the glossy dark green foliage. Displayed in large corymbs, they measure about half an inch across and are therefore larger than those of any *Myosotis* hitherto known. The color is a pure Forget-me-not blue. It can easily be forced and is excellent for cutting and for hanging baskets. Owing to its extreme hardiness it is valuable for spring bedding in the open ground. This splendid Forget-me-not took first prizes at the shows at Mannheim, Dresden, Ghent, and Berlin. Pkt. 25 cts.



VIRGINIAN POPPY

Moonflower, New Early Blooming **"Sky-Blue"**

IPOMOEA GRANDIFLORA RUBRO-COERULEA, EARLY FLOWERING

This entirely new strain produces gorgeous flowers, from four to five inches across, in great abundance. The color is a lovely sky-blue with rose colored markings. It grows very fast, from fifteen to eighteen feet in height, and will be found most valuable for trellises, walls, arbors, etc. Sown in February or March in boxes or in hotbeds, the young plants may be set out in April or May in a sunny situation, where they will flower from the end of June until frost. The flowers remain open all day. Pkt. 15 cts., 2 for 25 cts.

Nasturtium Tom Thumb Spencer, **Anna Groot (hA)**

Distinguished by its peculiar wavy dark-green foliage different from any known variety. The plants grow very compact and produce fine large velvety purple scarlet flowers on long stems contrasting strikingly with its magnificent foliage. Comes true from seed. Pkt. 10 cts.

Nasturtium Tom Thumb Spencer, Riemke Groot (hA)

Same as above but with bright scarlet flowers. Pkt. 10 cts.

Virginian Poppy (hA). *Papaver somniferum*

This new large-flowering single Poppy produces beautiful large white flowers with fringed soft pink edges. It is especially recommended for cut-flowers, for they last long in vases especially when cut in the morning before they are fully blown. Pkt. 15 cts., 2 for 25 cts.

Physostegia Virginica compacta rosea (hP)

This Erica-like flowering plant may be classed as one of the finest herbaceous sorts for border and for bedding alike. It is more compact than the ordinary variety and produces larger flowers more abundantly. Pkt. 25 cts., 2 for 45 cts.

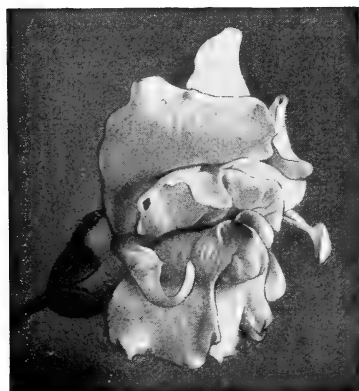
Salvia splendens grandiflora aurea "Canary Bird"

A valuable addition to the already existing shades of this indispensable bedder. Only the yellow has been wanting up to the present to complete the range of colors, so that this may well be described as the missing link of the Sages. The large, erect flower spikes, of a decided canary-yellow, are borne in great abundance and carried well above the dark green foliage, with which it contrasts admirably. Pkt. 30 cts.

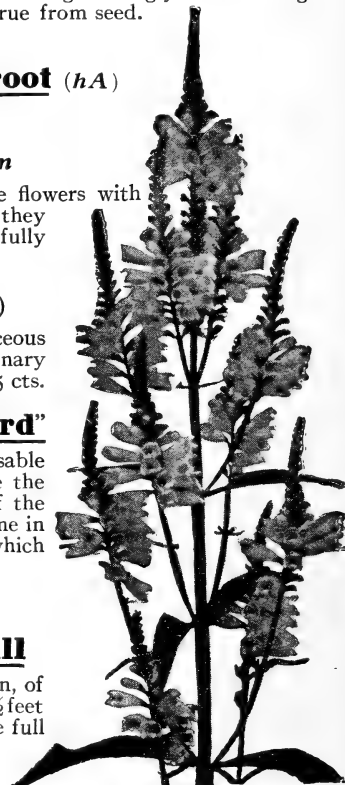
Salvia splendens grandiflora, Scarlet

Thorburn's Best of All

A new, very large-flowered strain, of the popular Scarlet Sage, growing 3½ feet high, and producing innumerable fine full spikes of the most intense bright scarlet, slightly curved upward, and borne well above the leaves, contrasting strikingly with them. Pkt. 30c.



DOUBLE WHITE SNAPDRAGON

PHYSOSTEGIA VIRGINICA COM-
PACTA ROSEA

Snapdragon, Double White (hP)

A new departure in the class of tall large-flowering Snapdragons. The flowers are white and are borne on long spikes which are literally covered. Out of the mouthlike aperture in the flowers, between the upper and lower lips, emerge abnormal fantastic petals which give a double and beardlike aspect to the very large blooms. This phenomenon is in evidence in from 50 to 60 per cent of the seedlings, the remainder producing perfect flowers, of extra size. Of great value as cut-flowers for vases. Pkt. 25 cts.

Schizanthus retusus trimaculatus**albus (hA)**

A new attractive variety of this showy annual, $1\frac{1}{2}$ to 2 feet in height, and coming true from seed. The flowers are $1\frac{1}{2}$ to $1\frac{3}{4}$ inches across, and each petal bears on a white ground a large pure golden yellow, somewhat lighter veined, spot, edged with pure white, presenting a three-blotched flower of characteristic marking. Of great effect for flowering groups and very useful as a pot-plant for the greenhouse or conservatory. Pkt. 20 cts., 2 for 35 cts.



SCHIZANTHUS RETUSUS TRIMACULATUS ALBUS

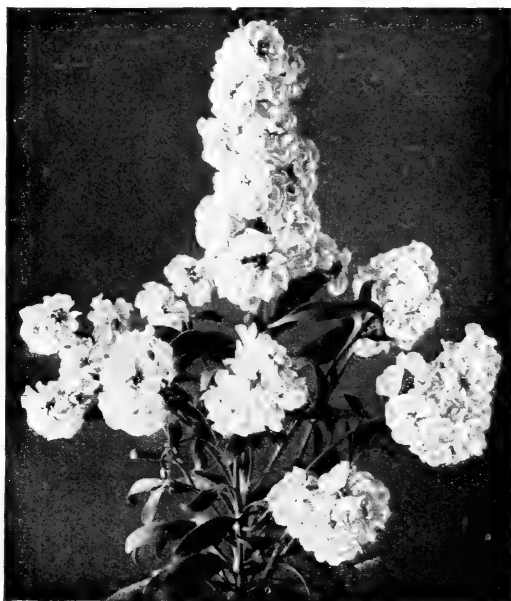
Senecio elegans pomponicus citrinus

(hA)

This charming new variety of the dwarf pompon Jacobæas grows to a height of 8 to 9 inches and produces perfectly double bright citron-yellow flowers. Valuable for borders or groups and for carpet bedding. Pkt. 20 cts., 2 for 35 cts.

Large-flowering Winter Stock**White Lady (hhA)**

This is in every respect the equal of its parent Empress Elizabeth and produces strikingly large and very double flowers of a lustrous snowy white. Grows about 20 inches high and throws up a massive central spike like that of a Tree Wallflower, branching freely in candelabra fashion, finally assuming the shape of a pyramidal bouquet. In comparison with other Winter Stocks White Lady blooms early and remains longer in flower; it will produce 60 to 65 per cent of double blooms and certainly surpasses in beauty any White Stock yet introduced. Pkt. 30 cts.



LARGE-FLOWERING WINTER STOCK, WHITE LADY

Verbena, New Giant-flowered in**Splendid Mixture (hA)**

(Verbena hybrida gigantea)

These new Giant-flowered Verbenas excel all other varieties hitherto known by the noble size and shape of the flower, by their rich display of colors and tints and by the fact that they come quite true from seed. This novelty contains a large percentage of reds in various shades, such as Tyrian-rose, purple-garnet, Turkey red, geranium-red, bright rosy scarlet, etc. The florets are enormously large with brilliant white eyes, giving to the flower a most striking appearance. Pkt. 25 cts., 2 for 45 cts.

Verbena hybrida nana compacta**vesta (hA)**

A remarkably showy dwarf Verbena, forming pretty round bushes of upright growth. Flowers large, carmine-scarlet with white centers; abundant. Pkt. 15 cts., 2 for 25 cts.

Zinnia, Double Giant (hA)*Zinnia grandiflora robusta plenissima*

A new and distinct class of this ever-popular flower, producing large very double blooms from $4\frac{1}{2}$ to 6 inches in diameter. We offer three distinct colors viz: Sulphur yellow, Crimson and Violet. Pkt. 20c., each color, 2 for 35c.

GLADIOLI PRIMULINUS HYBRIDS**(BULBS). Very Choice**

Extremely vigorous and healthy growers, blooming in July and August. Grow 3 to 5 feet high, with long spikes of richly colored blooms, varying from clear yellow to crimson, the latter with soft orange throats. 20 cts. each, \$2 per doz.

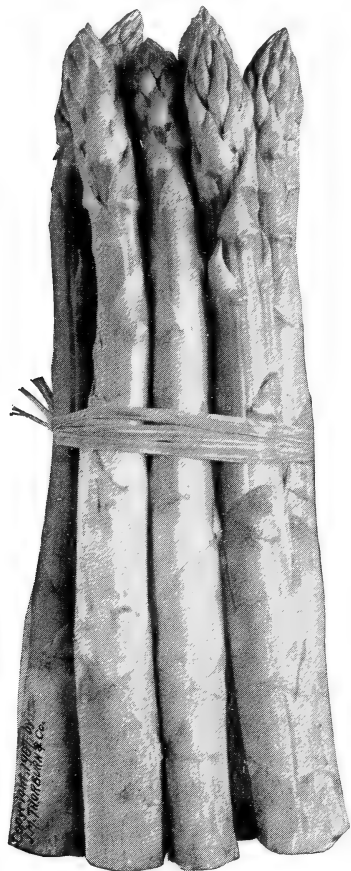


VERBENA HYBRIDA NANA COMPACTA VESTA

Vegetable Seeds

Please notice that we pay postage or express charges on all seeds ordered by the packet, ounce and $\frac{1}{4}$ lb. If larger quantities are ordered, add postage or expressage at the rate of 8c. per lb. See first page.

See inside front cover of this catalogue for COMPLETE ASSORTMENTS OF VEGETABLE SEEDS of approved and choice sorts for from \$2.50 to \$18.



ASPARAGUS

ARTICHOKE

ARTICHAUT *Alcachofa* Artichoke

CULTURE.—Deep, rich, sandy loam with plenty of well-rotted manure. Sow seeds in April or May, and when large enough transplant into rows 3 to 4 feet apart and 2 feet in the rows. They reach maturity the second year. When cold weather sets in, bank the earth to the top, first cutting off and tying up the leaves so that they will occupy less space, and in the spring fork in a dressing of manure. Artichoke may also be treated as an annual by sowing the seed in hotbeds during February and transplanting in May. The heads should be cut off and used as they get ready. If left to ripen on the plant, they will exhaust it, and no more will be produced that season. Heads are unfit for culinary purposes after the flowers expand.

110 French Globe. (Seed). The standard sort. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

Jerusalem Artichoke Roots. Qt. 25 cts.

Globe Artichoke Roots. (Ready in April.) Each 15 cts., doz. \$1.50.

ASPARAGUS

ASPERGE *Esparrago* Espargel

CULTURE.—Sow the seeds thinly in rows 1 foot apart in April or May (4 or 5 lbs. to the acre), and keep down all weeds. To secure strong, healthy plants, thin the seedlings to 3 or 4 inches in the rows, saving only the strongest. The one-year-old plants should be set out in spring in rich, sandy loam, dug 18 inches deep, into which has been worked plenty of well-rotted manure. If a stiff clay soil is all that can be had, add plenty of sand and sifted coal ashes to loosen it up, and also see that it is well underdrained. In planting for private use, set out in beds of 5 feet wide, three rows in a bed, the outer being each 1 foot from the edge, and allow 12 inches in the rows; set the plants from 4 to 6 inches below the surface. If set out in autumn, top-dress with 6 inches of manure. For market, on a large scale, set out 4 by $1\frac{1}{2}$ feet. Every fall apply a good dressing of coarse manure, after the tops have been cut, and in spring fork in. Never cut too closely. The roots need the benefit of some foliage during the year, else they will weaken and die. Slugs are easily destroyed by applying air-slaked lime or Paris green. *Asparagus from seed does not always come true to name.*

170 Colossal. The approved standard Pkt. Oz. $\frac{1}{4}$ lb. Lb.
sort. The famous *Argenteuil* of the French is identical with it... \$0 05 \$0 10 \$0 20 \$0 50

180 Palmetto. Of southern origin; a very desirable bright green Asparagus..... 05 10 20 50

190 Bonvalette's Giant. An improved Palmetto, said to produce larger stalks and is a stronger grower..... 05 10 20 60

200 Columbian Mammoth. Very large shoots..... 05 10 20 60

ASPARAGUS ROOTS

Plant either in fall or spring

	Per 50	100	1,000
Colossal. 2-year-old roots.....	\$0 60	\$1 00	\$7 00
Palmetto. 2-year-old roots.....	60	1 00	7 00
Columbian Mammoth. 2-year-old roots.....	60	1 00	7 00

In France a business is now made of growing small, green, delicate shoots of Asparagus during the winter. Strong roots may be forced in hotbeds out-of-doors. They should be packed closely into the frames, and by making a new bed every five or six weeks these tiny shoots may be had all winter and are valuable served with omelets, green peas, etc.

240 BORAGE

The young leaves of this annual, which smell somewhat like a cucumber, are used as a salad, or boiled like spinach. Should be sown at intervals, as the leaves are palatable only when young. Sow in the spring, in light soil; transplant in shallow drills, a foot apart, when of six weeks' growth. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.

We pay postage or express charges on all seeds bought by the packet, ounce, and quarter pound

BEANS

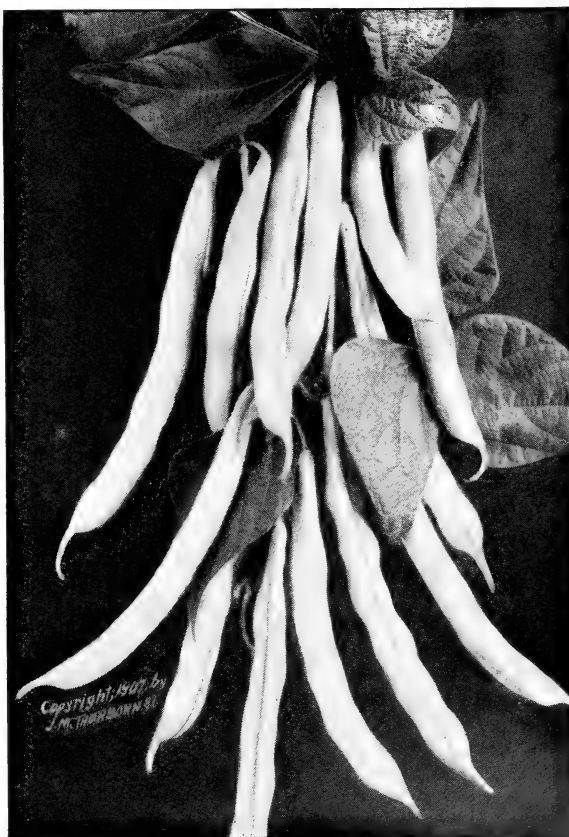
As a farinaceous food for man, the Bean is considered far superior to any other legume, and next in importance to wheat. The modern varieties leave little to be desired; the great care given to their improvement has resulted in superior sorts, greatly extending the season of use, as well as varying the flavor.

CULTURE.—About the first of May, if the ground is perfectly warm, select a warm, dry, sheltered spot, dig and manure slightly; make drills 2 inches deep and 18 inches to 2 feet apart; drop the beans 3 inches apart in the drills, and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks for a succession.

DWARF GREEN-PODDED SNAP-BEANS

We supply packets of all Beans at 10 cts. each, postpaid, except where otherwise noted; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart.

- | | Pint | Quart | ½pk. | Pk. | Bus. |
|--|--------|--------|--------|--------|--------|
| 310 Bountiful. Extra early, very prolific and long-bearing; flat green pods, tender and stringless..... | \$0 15 | \$0 25 | \$0 85 | \$1 50 | \$5 50 |
| 320 Dwarf Horticultural. Late and productive; flat, stringless pods | 15 | 25 | 85 | 1 50 | 5 50 |
| 330 Dwarf Horticultural, Carmine Pods. Same as above, but with carmine pods..... | 15 | 25 | 85 | 1 50 | 5 00 |
| 340 Full Measure. Large round pods, firm, tender and sweet, and entirely stringless. Fine shipper and keeper..... | 15 | 25 | 85 | 1 50 | 5 50 |
| 350 Fulmer's Forcing. Very scarce. A fine dwarf forcing variety. in ½pint packages only 50 cents each.. | | | | | |
| 360 Goddard Improved. Long, flat pods, stringless; very prolific.... | 15 | 25 | 85 | 1 50 | 5 50 |
| 370 Green-seeded Flageolet. Used as a shell-bean when green for many exquisite French dishes..... | 15 | 30 | 1 00 | 1 75 | 6 50 |
| 380 Hodson Green-Pod. A green-podded form of Hodson Wax.... | 15 | 25 | 85 | 1 50 | 5 00 |
| 390 Longfellow. Long, straight, round, solid green pods; very early. | 15 | 25 | 85 | 1 50 | 5 50 |
| 400 Low's Champion. Large, long pods, stringless; fine flavor..... | 15 | 30 | 1 00 | 1 75 | 6 00 |
| 410 Marvel of Paris. Long, slender, flat pods; very early..... | 15 | 30 | 1 00 | 1 75 | 6 50 |
| 420 Mohawk. Long, flat straight pods; early; very productive..... | 15 | 25 | 85 | 1 50 | 5 00 |
| 430 Osborn's Forcing. Very scarce. A most superior English dwarf Bean for forcing..... Pkt. 15 cts. | 35 | 60 | | | |
| 440 Refugee, Late, or 1,000-to-1. Medium to late; productive and tender; round pod. Pt. 15 cts., qt. 25 cts., ½pk. 85 cts., pk. \$1.50, bus. \$5. | | | | | |
| 450 Refugee, Thorburn Extra-Early. Has all the superior qualities of the famous Refugee, and is fully two weeks earlier in podding. Pt. 15 cts., qt. 25 cts., ½pk. 85 cts., pk. \$1.50, bus. \$5. | | | | | |
| 460 Refugee, Golden. Pods light green; late; productive. Pt. 25cts., qt. 40 cts. | | | | | |
| 470 REFUGEE, KEENEY'S STRINGLESS. Stringless at all stages of development. Pt. 15 cts., qt. 30 cts., ½pk. \$1, pk. \$1.75, bus. \$6.50. | | | | | |
| 480 Six Weeks, Long Yellow. Early; full, flat pods. Pt. 15 cts., qt. 25 cts., ½pk. 85 cts., pk. \$1.50, bus. \$5. | | | | | |
| 490 Stringless Green-Pod. Extra-early; stringless, prolific; round pod. Pt. 15 c., qt. 30 c., ½pk. \$1., pk. \$1.75, bus. \$6. | | | | | |
| 500 Stringless Green-Pod Giant. Improved long-podded strain of above. Pt. 15 cts., qt. 30 cts., ½pk. \$1, pk. \$1.75, bus. \$6. | | | | | |
| 510 THORBURN LONG-POD FORCER. Very scarce. A very early dark green, long-podded sort; finest of all forcing beans. Pkt. 25c., pt. 35c., qt. 60c. | | | | | |
| 520 Valentine, Extra Early. Round, thick, solid pods; tender, fine flavor. Pt. 15 c., qt. 25 c., ½pk. 85 c., pk. \$1.50, bus. \$5. | | | | | |
| 530 Valentine, Giant Stringless. About seven days later than Extra Early Valentine. Slightly curved pods, brittle and stringless. Pt. 15c., qt. 30 cts., ½pk. \$1, pk. \$1.75, bus. \$6. | | | | | |
| 540 Valentine, Black. Resembling the Valentine, but with black seed; long, round, solid pods; very early. Pt. 15 cts., qt. 25 cts., ½pk. 85 cts., pk. \$1.50, bus. \$5. | | | | | |



EXTRA-EARLY REFUGEE BEANS

ENGLISH DWARF BEANS (Crop almost a failure)FEVE DE MARAIS *Haba* Große Bohnen

CULTURE.—Sow in drills 2 feet apart, as early in the spring as the ground can be worked (these are as hardy as peas), in order to get them into pod before the heat of summer. When in pod, break off the top of the plant to check the growth. Plant and hoe the same as for Dwarf Beans. A strong soil suits them best.

Properly cooked, these Beans form one of the most delicious vegetables. To each $\frac{1}{2}$ gallon of water allow one heaped tablespoonful of salt. The beans should be young and freshly gathered. After shelling, put them into boiling water, salted as above. Boil rapidly for 15 or 20 minutes, then serve with a sauce of parsley and butter. Boiled bacon is often served with the beans.

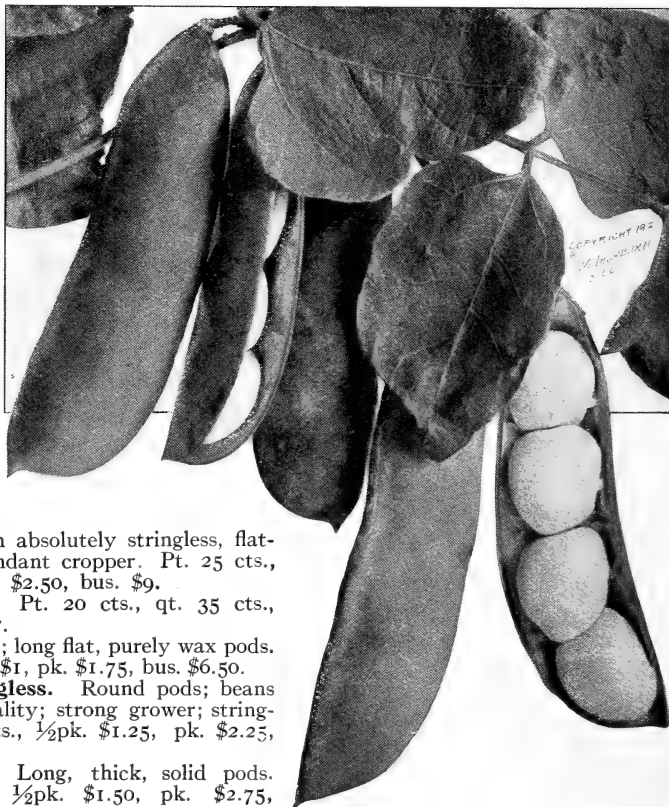
		Per pint	Quart
650 Broad Windsor.	The largest and best of the class.....	\$0 30	\$0 50
660 Early Mazagan.	Earliest of the class.....		
670 Sword Long-Pod.	A size smaller than Windsor	} Crop doubtful. {	}
680 Small Horse Bean.	Small size.....		

DWARF WAX BEANS

We supply packets of all Beans at 10 cts. each, postpaid, except where otherwise noted; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart.

		Quart	$\frac{1}{2}$ pk.	Pk.	Bus.	
750 Black Wax, Improved Prolific.	Very early and prolific. The Pint pods are round, full, stringless and of fine quality.....	\$0 15	\$0 30	\$1 00	\$1 75	\$6 00
770 Black Wax, Currie's Rust Proof.	Flat pods; early; productive.	15	30	1 00	1 75	6 00
780 Black-Wax, Pencil-Pod.	Slender, long, round pods.....	15	30	1 00	1 75	6 00
784 Burpee's Kidney Wax.	On style of Wardwell's Kidney Wax but with longer pods, more handsome in appearance, more meaty, of better quality and altogether stringless. In wet seasons, the foliage is free from blight and the pods rustless.....	20	35	1 25	2 00	7 00
790 Davis Kidney Wax.	Long, handsome, waxy white; flat pods.....	15	30	1 00	1 75	6 00
792 Detroit Wax.	Very much like Golden Wax; flat pods.....	15	30	1 00	1 75	6 50
794 Flageolet Red Wax.	Flat, yellow stringless pods of large size....	15	30	1 00	1 75	6 50
800 Golden Wax Improved.	Very early; flat pods, long and stringless.	15	30	1 00	1 75	6 00
810 Golden Wax, Keeney's Rustless.	Semi-round pods.....	15	30	1 00	1 75	6 00
820 Golden-Eyed Wax.	Very hardy and prolific, with flat, yellow pods; early and free from rust.....	15	25	85	1 50	5 00
830 Hodson Wax.	Very large, brittle and tender wax pods; stringless. Enormously productive.....	15	30	1 00	1 75	6 00
834 Horticultural Dwarf Wax.	On same style as the green-podded variety of the same name but with wax pods. Pt. 20 cts., qt. 35 cts., $\frac{1}{2}$ pk. \$1.25, pk. \$2, bus. \$7.					
844 Michigan White Wax.	Of robust and vigorous growth; pods very fleshy and of fine quality. Beans pure white. Pt. 15c., qt. 30c., $\frac{1}{2}$ pk. \$1, pk. \$1.75, bus. \$6.50.					
850 Refugee Wax, Stringless, Thorburn.	A perfect Refugee, with wax pods; for early or late sowing; immense yielder. Pt. 15c., qt. 30 cts., $\frac{1}{2}$ pk. \$1, pk. \$1.75, bus. \$6.					
860 Round-Pod, Kidney Wax (Brittle Wax).	Same as Wardwell's Kidney, but with round pods. Pt. 20 cts., qt. 35 cts., $\frac{1}{2}$ pk. \$1.25, pk. \$2, bus. \$7.					
870 Sure Crop Stringless Wax.	An absolutely stringless, flat-pod-variety and a very abundant cropper. Pt. 25 cts., qt. 45 cts., $\frac{1}{2}$ pk. \$1.50, pk. \$2.50, bus. \$9.					
880 Valentine Wax, Thorburn's.	Pt. 20 cts., qt. 35 cts., $\frac{1}{2}$ pk. \$1.25, pk. \$2, bus. \$7.					
890 Wardwell's Kidney Wax.	Early; long flat, purely wax pods. Pt. 15 cts., qt. 30 cts., $\frac{1}{2}$ pk. \$1, pk. \$1.75, bus. \$6.50.					
900 White Wax, Improved Stringless.	Round pods; beans pure white and of finest quality; strong grower; stringless. Pt. 20 cts., qt. 35 cts., $\frac{1}{2}$ pk. \$1.25, pk. \$2.25, bus. \$8.50.					
910 Yosemite Mammoth Wax.	Long, thick, solid pods. pt. 25 cts., qt. 45 cts., $\frac{1}{2}$ pk. \$1.50, pk. \$2.75, bus. \$10.					

DWARF LIMA BEANS



DWARF LIMA BEANS

WHITE BEANS

We supply packets of Beans at 10 cts. each, postpaid; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart.

	The Pint	Quart	½pk.	Pk.	Bus.
1000 Thorburn Dwarf Lima (The True Kumerle Strain). The dwarf form of our famous Challenger Lima—the finest of all Limas. It possesses the flavor of the genuine Challenger Lima.	\$0 20	\$0 35	\$1 25	\$2 00	\$7 00
1010 Burpee Bush Lima. A bush form of the large, flat Pole Lima. growing only 18 to 20 inches high. It is an immense yielder.	20	35	1 25	2 00	7 00
1020 Burpee's Improved Bush Lima. An improved strain of the Burpee Bush Lima having much larger pods and beans. Enormously productive and extremely early.	20	35	1 25	2 25	8 50
1030 FORDHOOK BUSH LIMA. Immense pods and beans.	20	35	1 25	2 25	8 50
1040 Henderson Bush Lima, or Dwarf Sieva. Productive.	15	30	1 00	1 75	6 00
1060 Wood's Prolific Bush Lima. Very productive. The Early Sieva, or Butter Bean of the South.	15	30	1 00	1 75	6 50
1070 White Kidney. Excellent, either green or ripe, as a shell Bean.	15	25			
1080 White Marrow. Good, either as a string or shell Bean.	15	25			

POLE, or RUNNING BEANS

We supply packets of Beans at 10 cts. each, postpaid; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart.

CULTURE.—Sow as the soil becomes warm and dry, from the first part of May (for all except Limas) to the latter part of May, in hills 4 feet each way. Limas should not be planted until warm weather has fairly set in. One quart of Limas will plant about 100 hills, allowing four or five beans to a hill, and of the smaller sorts about 200 hills. Poles 8 or 10 feet long should be firmly set in the hills before planting seed.

	Per pint	Quart	½pk.	Pk.	Bus.
1200 Lima, Challenger. Thick and productive; best of all.	\$0 15	\$0 30	\$1 00	\$1 75	\$6 50
1204 LIMA, CARPINTERIA POLE. Beans large and thicker than the ordinary pole lima. Vigorous grower. <i>See Novelties.</i>	25	45	1 50	2 50	9 00
1210 Lima, Ideal Pole. Large pods and bean; tender and of fine flavor; very productive. On style of Large White Lima.	20	35	1 25	2 00	7 00
1214 Lima, Early Jersey. Vigorous grower; very early; beans large and tender and average three to a pod.	15	30	1 00	1 75	6 50
1220 Lima, Large White. Highly esteemed.	15	30	1 00	1 75	6 00
1230 Lima, King of the Garden. Large in pod and bean.	15	30	1 00	1 75	6 50
1240 Lima, Siebert's Early. Very early; immense yielder; large size beans of the finest quality.	15	30	1 00	1 75	6 50
1250 Lima, Small Sieva, or Carolina. Early and productive.	15	30	1 00	1 75	6 50
1260 Black German Wax. Yellow pods.	20	35	1 25	2 00	7 00
1270 Dutch Case-Knife. Pods long, green and flat; can be either snapped or shelled.	15	30	1 00	1 75	6 00
1280 Horticultural Pole. Good as a snap or as a shell Bean.	15	30	1 00	1 75	6 00
1286 Horticultural Golden Carmine Wax-Podded. Very handsome, large, stringless.	20	35	1 25	2 00	7 00
1300 Golden Cluster Improved. Long golden yellow pods in clusters	20	35	1 25	2 25	8 00
1310 Kentucky Wonder (Old Homestead). Pods green; very long and flat.	15	25	85	1 50	5 50
1314 Kentucky Wonder, White Seed. Earlier and more productive than Old Homestead.	20	35	1 25	2 00	7 50
1320 Kentucky Wonder, Golden Wax Pods.	20	35	1 25	2 25	8 00
1330 Lazy Wife. Long green pods of good quality; white beans.	15	30	1 00	1 75	6 50
1340 Scarlet Runner. (Very scarce.) A popular English Pole Bean; very ornamental.	25	40			
1350 Southern Creaseback. Long, round, stringless pods; fleshy, tender.	15	30	1 00	1 75	6 50
1360 Southern Prolific. A continuous bearer.	15	30	1 00	1 75	6 50
1370 White Dutch Runner. Same habit as the Scarlet Runner.	20	35			
1380 Butterfly Runner. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts.					
1390 Yard-Long French. Slender pods sometimes 2 to 3 feet long; curious; should be grown on pea brush. Pkt. 10 cts.					

BEET (Very short crop)

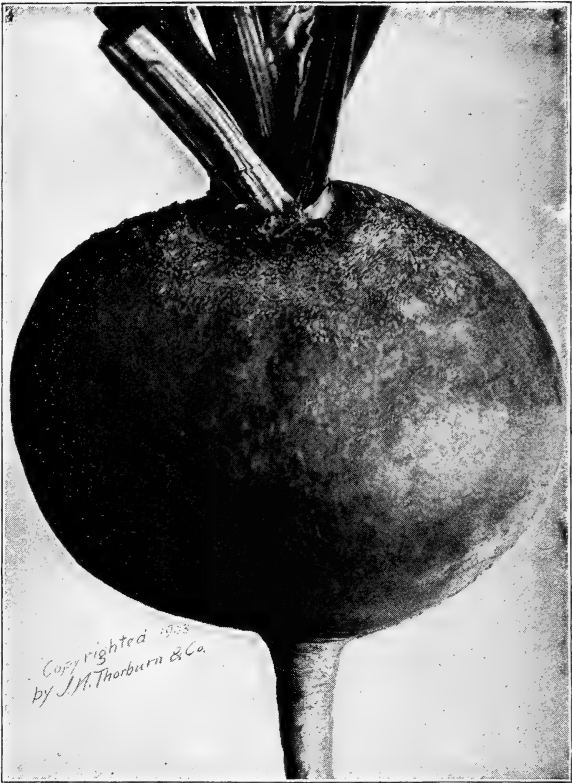
BETTERAVE *Remolacha* *Salatrübe*

CULTURE.—Sow as early in the spring as the ground can be worked (5 to 6 lbs. to the acre), and every two weeks after for a succession up to the first week of July. For general crop, sow about the middle of May. The soil should be light, sandy loam, well enriched with stable manure and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches apart, and when well up, thin to from 4 to 6 inches. The young Beets, with their tops, pulled out of the row, are excellent used as a spinach. For this purpose, sow frequently and use when size of a hickory nut.

	Pkt.	Oz.	¼lb.	Lb.
1500 Bassano. Early; light color; good sort.	\$0 05	\$0 15	\$0 40	\$1 50
1520 Crimson Globe. Fine globular shape; flesh rich, deep crimson; tender and sweet; very early.	05	15	40	1 50
1530 Crimson Globe, Sutton's. Good shape; finest quality.	05	15	40	1 50

Beets, continued

- 1540 **Detroit Dark Red Turnip.** Round; skin dark blood-red; flesh bright red. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1560 **Early Blood Turnip.** Dark red; fine flavor; good for winter. Pkt. 5 cts., oz. 15 cts., ¼lb. 40c., lb. \$1.50.
- 1570 **Eclipse.** Early; round, bright red. Pkt. 5 cts., oz. 15c., ¼lb. 40c., lb. \$1.50.
- 1580 **Edmand Blood Turnip.** A market-gardeners' strain, regular in shape and of best quality. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1600 **Egyptian, Crosby's.** Extra-early, round, dark blood-color. Pkt. 5 cts. oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1610 **Half-Long Blood.** Fine dark strain for winter. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1618 **Lentz.** Extra-early, large, round, light red; small tops. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1620 **Long Smooth Blood.** A good late variety for winter. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1630 **THORBURN'S NEW MODEL RED.** Dark blood-red; splendid sort. *See Novelties.* Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1644 **Trevise (Columbia).** Red; early; flat; tender. Fine sort for table. Pkt. 5c., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1650 **Witham Fireball.** Brilliant red flesh, solid, sweet and crisp; fine quality; globe-shaped; very early. Pkt. 5c., oz. 15c., ¼lb. 40c., lb. \$1.50.
- 1690 **Swiss Chard, or Silver Beet.** To be used same as spinach
- 1700 **Swiss Chard, or Silver Beet, Lucullus.** *See Novelties.*



BEET				
	Pkt.	Oz.	¼lb.	Lb.
	\$0 05	\$0 10	\$0 30	\$1 00
	05	15	50	1 50

FOLIAGE BEET

These varieties are grown only for their handsome foliage, which is very ornamental and decorative.

	Pkt.	Oz.	¼lb.	Lb.
77270 Golden-veined Brazilian.	\$0 05	\$0 20	\$0 40	\$1 25
77280 Scarlet-veined Brazilian.	05	20	40	1 25
77290 Crimson-veined Brazilian.	05	20	40	1 25
77300 Scarlet-ribbed Chilean.	05	20	40	1 25
77310 Yellow-ribbed Chilean.	05	20	40	1 25
77320 Victoria.	05	20	40	1 25
77330 Dracaena-leaved.	05	20	50	1 50

MANGEL-WURZEL, SUGAR BEET, ETC. Runkelrüben

CULTURE.—As all Mangels require a deep soil in order to grow well, plow and subsoil at least a foot to 18 inches, and apply plenty of rich stable or Thorburn's Complete Manure. Sow in May or June, in rows 18 inches to 2 feet apart, and thin to 8 inches in the rows. Young plants may be transplanted to fill up vacancies. Sow, in addition, when the plants are 3 or 4 inches high, at the rate of 200 lbs. Complete Manure, 200 lbs. bone meal and 400 lbs. salt per acre. As soon as frost occurs, dig the crop. In order to be well preserved for gradual consumption during the winter, Mangel-Wurzels should be heaped to a height of perhaps 6 feet, on a dry, sloping situation; cover at first with a piece of canvas, and as the cold increases this should be replaced by about 6 inches of either salt-hay, straw, seaweed or corn-stalks, with a light layer of earth on top. As soon as this surface soil becomes frozen, about 6 or 8 inches more of earth should be placed over it. By following up this gradual process of covering, all danger of heating will be obviated, and the roots will keep in perfect order. Sow from 5 to 8 pounds to the acre.

MANGEL-WURZEL

	Oz.	¼lb.	Lb.
1850 Giant Half-Sugar Red-Skinned. Longish ovoid; red skin; white flesh.	\$0 10	\$0 25	\$0 75
1860 Golden Yellow Intermediate. Very large.	10	25	75
1870 Golden Tankard Mangel-Wurzel. Bright yellow; handsome and sweet, and very productive.	10	25	75
1880 Red Globe Mangel-Wurzel. Similar to Golden Globe; productive.	10	25	75
1910 Mammoth Long Red Mangel-Wurzel. Very large; enormously productive under careful culture.	10	25	75
1930 Orange Globe. Productive and of good size.	10	25	75

We pay postage or express charges on all seeds bought by the packet, ounce and quarter pound



THORBURN GILT-EDGE CAULIFLOWER (see page 16)

SUGAR BEET

We recommend 5 to 10 lbs. to the acre.

	Oz.	¼lb.	Lb.
2000 Klein Wanzleben.....	\$0 10	\$0 25	\$0 75
2010 Vilmorin Improved.....	10	25	75
2020 White Rose-Top.....	10	25	75
2040 Lane's Sugar. Fine for stock.....	10	25	75

BROCCOLI

BROCCOLI *Brocoli* *Spargelfohl*

CULTURE.—Sow early sorts as soon as the ground can be worked in the spring, in shallow drills, drawn 3 or 4 inches apart. Plant out 2 feet apart each way when the plants are about 4 inches high. Cultivate the same as cabbage, in rich soil, and use the same remedies for insect attacks. The following are sorts best adapted to this climate; they are excellent and deserve much wider culture than is usual in this country.

	Pkt.	Oz.	¼lb.	Lb.
2100 Early White.....	\$0 10	\$0 30	\$0 85	\$3 00
2110 Mammoth White.....	10	35	1 25	4 00
2120 Purple Cape, Early.....	10	35	1 25	4 00
2130 Veitch's Self-protecting.....	10	30	85	3 00

BRUSSELS SPROUTS

CHOU DE BRUXELLES *Berza de Brusels* *Roßenfohl*

CULTURE.—Sow in May, in the same manner as cauliflower, and transplant in July, 1 foot apart in the rows, which should be 1½ feet apart. The Brussels Sprout is, without exception, the very best winter vegetable that can be grown. Not the least valuable point connected with it is that it is as hardy as the common Curled Greens. The real sprout is not much larger than a marble, and as firm and hard almost as the stalk itself. Strip off the

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Brussels Sprouts, continued

outer covering, cook them whole, and serve them in that fashion. When cooked through and no more, such sprouts melt in the mouth, like the tenderest cauliflower, and are equally good.

	Pkt.	Oz.	¼lb.	Lb.
2170 Improved Half Dwarf. The very best and purest strain.....	\$0 05	\$0 20	\$0 60	\$2 00
2190 Dalkeith. Of dwarf growth, producing large, solid sprouts.....	05	20	60	2 00
2196 Dwarf German. Compact heads; productive.....	05	25	75	2 50

2230 BURNETPIMPERNELLE *Pimpinella* Pimpernell

The leaves have a warm, piquant taste, and are useful for salads and soups. Sow early in the spring, half an inch deep, thinly in rows. **Garden.** Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. 90 cts.

CAULIFLOWERCHOU-FLEUR *Coliflor* Blumenkohl

CULTURE.—The same as for cabbage, except that extra manure and plenty of water will pay upon Cauliflower. If the soil be dry, water frequently, and, if the plants could have a heavy mulch of hay or straw, it would keep the soil moist, and they would not suffer from drought. The early kinds should be strong enough to plant out not later than the middle of April; the late kinds may be planted out same time as cabbage.

	Pkt.	Oz.	¼lb.	Lb.
2250 Thorburn Extra-Early Dwarf Erfurt. The very best and earliest for forcing under glass; very dwarf and compact with short stem and small leaves. It should not be confounded with entirely different sorts advertised.....	\$0 50	\$5 00		
2260 Large Early Erfurt. (Thorburn's Selection). Justly popular with market-gardeners for late crop.....	25	2 25	\$8 00	\$30 00
2270 THORBURN'S GILT-EDGE. Large, heavy sort, maturing immediately after our <i>Large Snowball</i> . It is, without exception, the best and surest of all. <i>See Novelties</i>	25	2 25	7 50	28 00
2280 Thorburn Extra-Early Snowball. Our strain of this popular variety is unequalled. It is one of the best for forcing under glass or for open ground.....	25	2 25	7 50	28 00
2290 Thorburn Large Early Snowball. A large strain of the above.....	25	2 25	7 50	28 00
2300 Denmark. On the style of Large Erfurt; very fine.....	20	1 75	6 50	24 00
2310 Extra-Early Paris. Heads of medium size; first-class.....	10	60	2 00	7 00
2320 Lenormand Short-Stem. Has very large heads; white and firm.....	10	50	1 75	6 00
2330 Large Algiers. Market-gardeners' popular late sort for the South.....	10	60	2 00	7 00
2340 Thorburn Nonpareil. A first-class standard sort.....	10	50	1 75	6 00
2350 Early London. Large and hardy.....	05	30	1 00	3 50

CABBAGECHOU *Berza de repollo* Kohl

CULTURE.—Soil for Cabbage should be rich and heavy loam, with good drainage. On such a soil, with an abundance of stable or Thorburn's Complete Manure, excellent crops are sure to be grown. For early spring, sow in fall not too early, for the plants are liable to bolt in the spring, instead of heading. In a month the plants will be fit to transplant to coldframes, where they are wintered, taking care in planting to set the young plants down to the first leaves. Transplant in spring as soon as the ground can be worked, setting the plants 2 feet apart one way and from 12 to 18 inches the other, according to the variety. If it is desirable to economize space, lettuce or radish may be sown between the rows, as they will be out of the way before the Cabbage needs the room. For late or winter crop, the seed is sown in May, and the plants set out in July. In this case, they are set in rows 2 by 3 feet, so as to work them with a horse and cultivator. To destroy the green worm, an experienced grower says: "Take one ounce of saltpeter and dissolve it in 12 quarts of water; then take a short-handled whisk-broom, dip it in the solution and sprinkle the plants well. One application is sufficient unless the stuff is washed off by heavy rains. The liquid, being perfectly clear, never colors the cauliflower or Cabbage heads." To prevent the turnip flea attacking the young plants, sift fine air-slaked lime or tobacco dust over them as soon as they appear above ground.

	Pkt.	Oz.	¼lb.	Lb.
2390 COPENHAGEN MARKET. <i>See Novelties</i>	\$0 15	\$0 60	\$2 00	\$7 00
2400 Baseball, Early. The finest early all-head Cabbage.....	10	25	75	2 50
2410 Early Spring. Flat, extra-early, medium size.....	05	20	60	2 00
2420 Early York. The standard English sort. Splendid.....	05	15	40	1 25
2430 Large Early York. Larger than the above. Splendid.....	05	15	40	1 25
2460 EARLY JERSEY WAKEFIELD, THORBURN'S. The most popular early variety; heads very solid, pyramidal shape. <i>See Novelties</i>	10	30	85	3 00
2464 Charleston Wakefield. Large strain of above.....	05	20	60	2 25
2470 ENKHUIZEN GLORY. Large, early, white, solid, ball-shaped heads. <i>See Novelties</i>	10	25	80	2 75
2484 Early Winnigstadt. A standard second-early variety; very hard heads.....	10	25	75	2 25
2490 Improved Early Summer. A superior second-early sort; produces large and solid heads of finest quality; popular in the South. Selected stock..	05	20	60	2 00
2510 Holstein. Large, round, firm heads; medium-early.....	05	20	60	2 00
2520 Succession Improved. Excellent second-early sort; large, solid heads.....	10	35	1 00	3 00
2530 Large Late Drumhead. A standard winter Cabbage for main crop.....	10	25	75	2 50
2540 Large Late Flat Dutch. A valuable sort for market.....	05	20	60	2 00

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EARLY JERSEY WAKEFIELD CABBAGE (see page 16)

Cabbage, continued

	Pkt.	Oz.	¼lb.	Lb.
2560 Thorburn Market-Gardener's Private Stock Flat Dutch. Fine strain of the immense winter Cabbage grown on Long Island for market....	10	\$0 25	\$0 75	\$2 50
2580 Danish Ball-Head Winter. Short stem. Very round, solid winter sort, largely grown in Denmark for the London market. A fine shipper.....	10	35	1 00	3 00
2584 Danish Ball-Head Winter. Long stem.....	10	35	1 00	3 00
2590 Green Glazed. Glossy green; suitable for hot climates.....	10	30	85	3 00
2610 Red Erfurt. Very dark red; very early.....	10	35	1 00	3 00
2614 RED STONEHEAD. Prize variety. From Denmark; a great improvement on the old variety of the same name. Produces heads nearly as round as a ball, of medium size but very solid and consequently long-keeping. Prefers a rather heavy soil, richly manured.....	10	40	1 25	4 00
2620 Red Zenith. Very fine, dark red; solid head; medium early; finest of all...	10	35	1 00	3 00
2630 Savoy, Early Vienna. Very small; of delicate flavor.....	10	35	1 00	3 00
2640 Savoy, Early Ulm. Medium size, round, deep green head; very early.....	10	35	1 00	3 00
2650 Savoy, Late American Drumhead. Very fine improved strain.....	10	25	75	2 50
2660 Chinese Cabbage (Pe-Tsai). Grows like Cos Lettuce.....	05	20	60	2 00

CARDOONCARDOON *Cardo* Cardon

CULTURE.—Sow early in spring, in rows where the plants are to stand, and thin them to 2 feet apart. When full size, bind them together with bast or raffia, and earth up like celery to blanch. The stems of the leaves are used for salads, soups and stews. The stems should be wintered in a cellar away from frost.

	Pkt.	Oz.	¼lb.	Lb.
2770 Large Solid. Smooth; grows about 4 feet high; leaves nearly free from spines.....	\$0 05	\$0 25	\$0 75	\$2 50
2790 Large Solid Tours (Prickly).....	05	25	75	2 50

CARROTCAROTTE *Zanahoria* Möhren

CULTURE.—Sow Nos. 2890 and 2900 as early as the ground can be worked; or, for late crop, until the latter part of July or early in August for a winter crop. This is the finest and most tender for table use. For main crop, sow from middle of May to the first of July. Thin out early crop to 5 inches in the row, main crop, 6 to 7 inches, the rows 10 inches apart for early crop, 14 for main crop. Hoe often and deeply between the rows. Soil light, and loamy, richly manured and deeply dug. Sow at the rate of 2 to 3 lbs. to the acre. Carrot-tops cut from fairly young plants may be used for pretty indoor greenery. Put one cutting into each thumb-pot, or 3 or 4 into a larger

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound



Carrots, continued

pot around the sides. Fairly good and sandy soil should be used, syring frequently until growth is well forward. About 1 inch of Carrot should be left to put in soil, but this should be surrounded with soil or moss to hide it. When fully grown it is very pretty, the long fronds hanging over gracefully.

2890 French Forcing, Early.	Tender and Pkt.	Oz.	1/4lb.	Lb.
sweet; fine for early and late crops and for frames.....				
	\$0 10	\$0 25	\$0 85	\$3 00
2910 Early Round Parisian.	Small and very tender; for frames or open ground...	10	25	85 3 00
2920 Oxheart Half-Short (Guerande).	Very thick and short.....	10	25	85 3 00
2930 Scarlet Horn, Early.	Very thick roots; fine for frames.....	10	25	85 3 00
2950 Half-Long Pointed.	A well-known strain; productive.....	10	25	85 3 00
2970 Half-Long Stump-rooted Nantes Strain.	One of the most popular sorts.....	10	25	85 3 00
2990 Chantenay Half-Long Stump-rooted.	Style of Nantes, broader shoulder...	10	25	85 3 00
3020 Danvers Half-Long.	Large; of good quality; productive.....	10	25	85 3 00
3030 St. Valery.	A thick, intermediate long red.....	10	25	75 2 50
3040 Long Orange.	Best for stock feeding...	10	25	75 2 50
3050 White Vosges.	Large, thick, short; fine for stock.....	05	15	50 1 50
3070 Long White Belgian.	Very large; one of the best varieties for stock....	05	15	50 1 50

CELERY

CELERI Apios Sellerie

CULTURE.—Sow the seed in a light, rich, dry border as early as the ground can be worked, in drills 8 or 10 inches apart, and cover the seeds about a quarter of an inch deep, rolling or treading them in if the ground be dry. When fairly out of the seed-leaf, they may be transplanted to another bed, or they may be thinned out to 6 or 8 inches apart, and let grow until wanted to plant out in beds or trenches. The beds should be kept well weeded, and an occasional soaking with water in dry weather will do the plants good. Early in July at the North, a month or six weeks later in the southern states, is the proper time to set the plants out in beds or trenches. Press the soil firmly against the roots. In the garden the better way is to set the plants in shallow trenches. We say shallow, for it is obviously a bad plan to remove all the good soil (as must be done in a deep trench) and put the plants in that which is poor. The plants must be set in a single row in a narrow trench; or the trench may be made into a bed wide enough to hold two, three or four rows, and in this case the plants are in a compact form to be covered for the winter where they grow. This will save much labor where there is no root-cellar for storage, as often happens to be the case. When grown in beds in this way, the rows should be 1 foot apart, and the plants about 8 inches apart in the rows. The bed should be made very rich with thoroughly decomposed manure. The plants will need to be earthed up two or three times, and, in doing this, care should be taken not to let the earth get into the heart of the plant. In field culture, the plants are set on the surface in rows 4 feet apart when the Celery is to be earthed up in the field for early use, and 2 feet apart when the plants are to be taken up and blanched in the cellar for winter use. The plants are set 6 inches apart in rows. If not grown in beds, the best way to store is to dig trenches in a well-drained spot in the open ground 1 foot wide, and at a depth of a few inches less than the height of the Celery. The plants are then lifted and set close together. When severe cold weather comes on, cover gradually with leaves, hay or straw, and place boards on top. The turnip-rooted or "Knob" Celery needs no earthing up, and may be planted in rows 1 foot apart.

3200 Thorburn Fin de Siecle.	We consider this the largest, hardiest, solidest, crispest, best keeping and best shipping winter Celery we know of.....	Pkt.	Oz.	1/4lb.	Lb.
		\$0 05	\$0 20	\$0 60	\$2 00
3210 Improved White Plume.	Naturally white or light foliage; requires but little banking up to blanch; very early and extensively grown for market.....	10	25	75	2 50
3214 Golden Self-Blanching.	American grown; large, golden yellow.....	10	45	1 50	5 00
3220 Golden Self-blanching, French Grown.		15	1 00	3 75	14 00
3230 Golden Self-blanching, Thorburn's Gilt-Edge.	Our finest strain.....	20	1 10	4 25	16 00
3240 Rose-ribbed Golden Self-blanching.	Very handsome rose-striped ribs...	10	35	1 00	3 50
3260 Perfection Heartwell.	One of the finest and largest of winter varieties, either for family or market-garden. The heart is golden yellow.....	05	20	50	1 50
3270 Thorburn's Schumacher.	Solid and crisp; firm golden yellow heart.....	05	20	50	1 50
3300 Giant Pascal.	An easily blanched and fine-keeping large late sort.....	05	20	60	2 00
3310 Kalamazoo.	A fine, half-dwarf, solid white variety.....	05	15	50	1 50

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound

Celery, continued

- 3344 **Giant Golden Heart.** Very large, solid and fine-flavored; vigorous grower. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.
- 3350 **New Rose.** Fine flavor; handsome. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.
- 3360 **Pink Plume.** Same as White Plume, except that the stalks are tinged with pink. Attractive; rich flavor and long keeper. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.
- 3384 **Winter Queen.** Very large, solid, green winter sort; blanches well. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.
- 3388 **Silver-White.** Large. Fine, solid and crisp variety. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.
- 3390 **CELERIAC, or Turnip-rooted Celery, Erfurt.** For soups and stews. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.
- 3400 **Celeriac, Giant Prague.** Very large roots, for soups and stews; when cooked and sliced, makes fine winter salad. Pkt. 5 cts., oz. 15c., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.
- 3420 **Celeriac, Apple.** Has small foliage and small, smooth roots; for soups. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50. Celeriac may be stored like beets and will keep all winter.
- 3430 **Cutting Celery.** For soup. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.



CORN, SWEET or SUGAR

We supply packets of Corn at 10 cts. each,

postpaid; for other quantities, NOT PREPAID, add transportation charges at the rate of 5c. per pint, 10c. per quart.

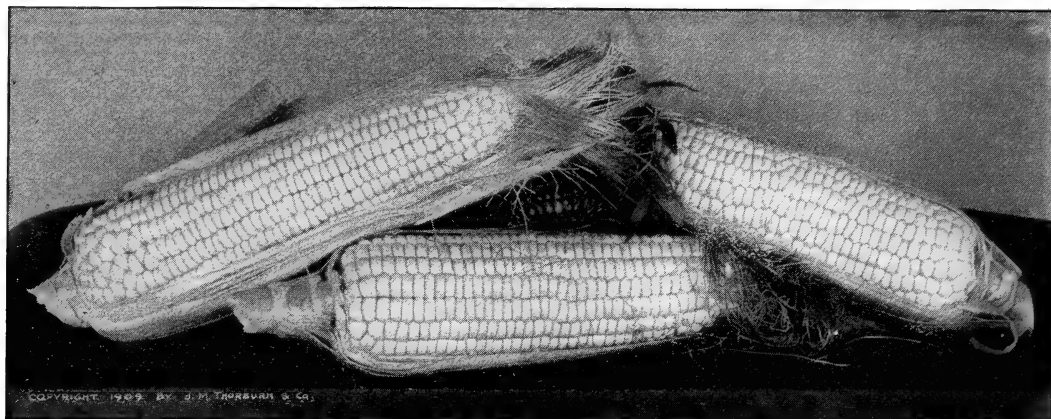
CULTURE.—Plant in hills 3 feet apart each way, and five or six kernels in a hill. Hoe often and draw soil up to the stem; break off side shoots. Make the ground rich with well-rotted manure. If sown thinly in drills, a greater yield from a given surface will be obtained.

Most Corns can be furnished on ears, 5 cts. each, transportation extra

EXTRA-EARLY

	Per pint	Quart	$\frac{1}{2}$ pk.	Pk.	Bus.
3700 NORDHEIM EXTRA-EARLY. Earliest of all. See <i>Novelties</i>	\$0 25	\$0 40	\$1 25	\$1 75	\$6 00
3704 Cosmopolitan. Large, handsome ears of fine quality; very early....	15	25	75	1 35	4 75
3710 Early Cory. A very early variety, with good-sized ears.....	15	25	75	1 25	4 50
3720 White Cory. Resembles the ordinary Cory, but with white cob....	15	25	75	1 25	4 50
3730 Sheffield, Early. Combines the hardiness of Early Adams with the sugary quality of Cory, of which varieties it is a hybrid.....	15	25	75	1 25	4 25
3734 Burpee's Earliest Catawba. Similar to Golden Bantam in growth and earliness, but it differs from it in color and flavor. Grows 4 to 5 feet high, and bears from one to five good-sized ears to a stalk.	15	30	1 00	1 75	6 00
3740 Mammoth White Cory. Ears double the size of the old Cory.....	15	25	75	1 25	4 50
3750 Metropolitan. Large, handsome ears of fine quality; very early....	15	25	75	1 25	4 50
3754 Golden Cream. See <i>Novelties</i> . Pkt. 10c., $\frac{1}{4}$ lb. 15c., $\frac{1}{2}$ lb. 25c., lb. 40c.					
3760 Golden Bantam. Extra-early; yellow; very sweet and tender.....	15	30	1 00	1 75	6 00
3764 Seymour's Sweet Orange. A vigorous grower, attaining a height of 6 to 7 feet, and producing generally two good-sized ears to a stalk. It matures about a week later than Golden Bantam and is fully equal to it in the deliciousness of its flavor.....	15	30	1 00	1 75	6 00
3770 Premo. Extra-early; very large ears; fine quality.....	15	25	75	1 25	4 50
3780 Peep-O'-Day. One of the earliest; very sweet and of delicate flavor.	15	30	85	1 50	5 00
3790 Minnesota. Nearly as early as Cory, but with larger ears.....	15	25	75	1 25	4 00
3800 Perry Hybrid. Very early and of large size; valuable for market....	15	25	75	1 25	4 00
3810 Melrose. As early as Perry Hybrid and much larger; valuable.....	15	25	75	1 25	4 50
3840 Kendel's Giant. Very early for so large-eared a sort; fine quality.....	15	25	75	1 25	4 50

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound



SECOND-EARLY, or INTERMEDIATE CORN

	Pint	Quart	½pk.	Pk.	Bus.
3850 Long Island Beauty. Very early; large size; a valuable market sort..	\$0 15	\$0 25	\$0 75	\$1 25	\$4 50
3860 Extra-Early Adams. Not a Sugar Corn, but grown for early use....	15	20	60	1 00	3 50
3900 THORBURN'S EARLY WHITE PERFECTION. A valuable second-early sort, producing good-sized ears. The cob is small and the grain is almost pure white. It is a heavy yielder, very sweet and an almost perfect type without flint or glaze	15	30	85	1 50	5 00
3910 Early Champion. Very large ears, considering its earliness.....	15	25	75	1 25	4 50
3920 Shaker. Very large, white grain; quite early.....	15	25	75	1 25	4 50
3930 Early Mammoth. Very large ears, fine quality; not very late.....	15	25	75	1 25	4 50
3940 Crosby. Matures after Minnesota; fair-sized ears of good quality....	15	25	75	1 25	4 00
3950 Potter Excelsior. Good size, and a week earlier than Large Excelsior	15	25	75	1 25	4 00
3960 Moore Concord. Of strong growth; ears large and well filled.....	15	25	75	1 25	4 00
3970 Early Evergreen. A week earlier than Stowell Evergreen.....	15	25	75	1 25	4 00
3980 Early Adams. Not a sugar Corn, but grown extensively for market.	15	20	60	1 00	3 50

GENERAL CROP

4020 Hickox Improved. Handsome ears, very white and of rich flavor...	15	25	75	1 25	4 00
4030 Large Eight-rowed. Very productive and of superior richness.....	15	25	75	1 25	4 50
4040 Stowell Evergreen. One of the most popular varieties.....	15	25	75	1 25	4 00
4050 Triumph. Large ears; very white; productive.....	15	25	75	1 25	4 25
4060 White Evergreen. A strain of Evergreen with pure white grain.....	15	25	75	1 25	4 00

LATE SWEET CORN

4100 Black Mexican. Very sweet and of superior flavor; grains black.....	15	25	75	1 25	4 50
4110 Henderson's Sugar. Large, thick ears, well filled with deep kernels, tender and sweet.....	15	25	75	1 25	4 50
4120 Late Mammoth. Rank in growth; large ears, rich and sweet.....	15	25	75	1 25	4 00
4130 Egyptian. Large and of superior quality; largely used for canning...	15	25	75	1 25	4 00
4140 Country Gentleman. A large selection of the Ne Plus Ultra, introduced by us in 1888.....	15	25	75	1 25	4 50
4160 Tuscarora. Flour Corn.....	15	20	60	1 00	3 00
4180 Sweet Fodder Corn.....	15	15	50	80	2 50

For Field Corn and Pop Corn, see page 55

CHERVIL

CERFEUIL *Perifollo* Benßenlauch

CULTURE.—Cultivate and use the curled variety of Chervil like parsley. Sow at any time in the spring in shallow drills, 1 foot apart, in well-prepared ground. The seed of the Tuberous Chervil should be sown in September, and it will appear the following spring.

	Pkt.	Oz.	¼lb.	Lb.
4240 Curled. Leaves used for flavoring soups and stews, and for garnishing....	\$0 05	\$0 10	\$0 30	\$1 00
4250 Plain. Like above, but not curled.....	05	10	25	75

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CHICORY

- 4300 Common, or Wild.** Used in *Barbe de Capucin*, a salad much made in France. Sown in June, the roots are transplanted in autumn into sand in a cellar. The young shoots form the *Barbe de Capucin* Pkt. Oz. $\frac{1}{4}$ lb. Lb.
 \$0 05 \$0 20 \$0 50 \$1 50
- 4310 Witloof.** Known in restaurants as French Endive. Sown in May and June in drills. Transplant or thin to 6 inches; treat as Endive, except that late in summer or fall it should be gradually banked up like celery. The stalks when blanched make a delicious salad. It is used by the French as a boiled vegetable..... 05 20 60 2 00

See, also, *Endive, the Chicory of the French*, page 23

COLLARDS

CULTURE.—Sow seed as for cabbage, in June, July and August for succession. Transplant when a month old in rows a foot apart each way and hoe often.

- 4380 Georgia.** Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

CORN SALAD, or FETTICUS

MACHE *Macha o Valerianilla* *Etedsalat*

CULTURE.—Sow during August or early in September, in drills one-fourth of an inch deep and 6 inches apart. If the weather is dry when the seed is sown, tread it lightly to insure germination. Keep weeds down with hoe. Just before the winter cover thinly with straw or leaves.

- | | Pkt. | Oz. | $\frac{1}{4}$ lb. | Lb. |
|-----------------------------------|--------|--------|-------------------|--------|
| 4430 Large-seeded | \$0 05 | \$0 10 | \$0 25 | \$0 75 |
| 4440 Small-seeded | 05 | 10 | 25 | 75 |
| 4450 Green Cabbaging | 05 | 10 | 30 | 85 |

CRESS

CRESSON *Berra o Mastuerzo* *Kresse*

CULTURE.—Sow No. 4520 thickly in shallow drills, every two or three weeks. It should be cut often and it will continue to grow. It is useful not only for salad, but for the breakfast table and for garnishing. Nos. 4550 and 4570 should be sown in damp soil; or, if a stream of water can be utilized, they would be much finer. They will also thrive well in damp hotbeds. Rightly managed, their culture is very profitable. To obtain early salad, it is a good plan to sow with Water Cress seed a strip 4 inches wide on the outer margin of a hotbed, inside the frame, where it is always cool.

- | | Pkt. | Oz. | $\frac{1}{4}$ lb. | Lb. |
|--|--------|--------|-------------------|--------|
| 4520 Curled, or Pepper Grass | \$0 05 | \$0 10 | \$0 20 | \$0 50 |
| 4540 Broad-Leaved Winter, or Upland. Gray seed..... | 05 | 10 | 25 | 80 |
| 4550 Erfurt True Sweet Water Cress. Very mild and tender..... | 10 | 35 | 1 00 | 3 50 |
| 4570 True Water Cress | 10 | 35 | 1 00 | 3 50 |

DANDELION

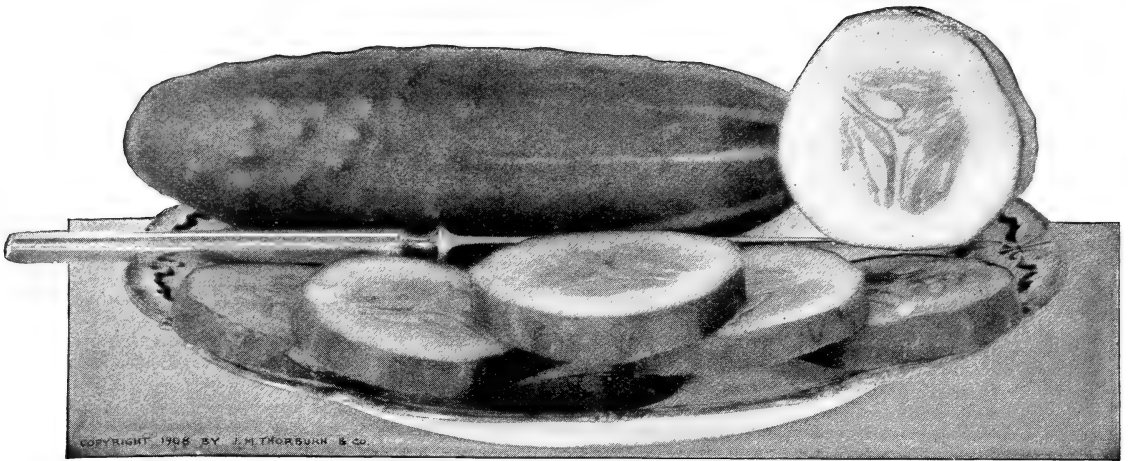
PISSENLIT *Amargon* *Pardeblum*

CULTURE.—Dandelion is a hardy perennial, and one of the most desirable early spring salads. Sow in early spring in drills one-half an inch deep and 18 inches apart; thin out the plants to 12 inches. Keep clear of weeds during the summer, and the ensuing spring the leaves will be fit to cut. They are best, however, when blanched, which makes them tender and destroys to some extent, their bitter taste without impairing the qualities which make them desirable as greens. The blanching may be done by placing a couple of boards over the rows thus: **A**. This excludes the light and improves the greens, rendering them far superior to those found growing wild.

- | | Pkt. | Oz. | $\frac{1}{4}$ lb. | Lb. |
|---|--------|--------|-------------------|--------|
| 4630 French Garden | \$0 05 | \$0 10 | \$0 30 | \$1 00 |
| 4640 Improved Thick-leaved | 10 | 35 | 1 00 | 3 50 |
| 4650 Improved Thick-leaved Fullheart | 10 | 35 | 1 00 | 3 50 |
| 4670 Montmagny | 10 | 30 | 85 | 3 00 |

MRS. J. V. HASLAM, of Louisiana, writes under date of February 1, 1911: "Your seeds are the most satisfactory I have ever used. They never fail. Would use no other."

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NOROTON SELECTED WHITE SPINE CUCUMBER

CUCUMBER

CONCOMBRE *Pepino* Gurfe

CULTURE.—For very early, sow in hotbeds upon pieces of sod, or in small pots, and they can be readily transplanted with a gain of about six weeks before they can be sown in the open ground. Plant out in rich soil when danger of frost is over, or protect by hand-glasses, or by paper held down at the corners with a handful of earth. For general crops, sow in the open ground as soon as the weather is settled and warm, and every two weeks for a succession. For pickles, sow from middle of June to first week in July. Sod land, turned over in the fall, is the best for them. Plant in hills 4 feet apart, putting a shovelful of well-rotted manure in each hill.

	Pkt.	Oz.	¼lb.	Lb.
4750 Cumberland. One of the best pickling sorts yet introduced, being very handsome and productive, with flesh firm, but very crisp and tender.	\$0 05	\$0 15	\$0 30	\$1 00
4770 Davis Perfect. Fine for forcing or for outdoors. The fruit is long and straight, and, being a comparatively shy seeder, is very valuable for slicing	05	15	30	1 00
4780 Early Green Cluster. Fruit small and in clusters; very prolific.	05	10	25	80
4790 Early Russian. Very early, short; fine for pickles.	05	10	25	80
4800 Giant Pera. Very long; one of the best for table use.	05	15	40	1 25
4810 Fordhook Pickling. Very prolific; medium size; fine pickling strain.	05	10	25	80
4820 Thorburn Everbearing. Small-sized; very early and enormously productive, and valuable as a green pickler.	05	10	25	80
4830 Cool and Crisp. Extra-early and very prolific; long, straight, slender and very dark green; good either for pickling or slicing.	05	15	30	1 00
4840 Early Short Green. Good for pickling; productive.	05	10	25	80
4850 Fordhook Famous. Long, straight and well formed; vigorous grower, very productive. Does not turn yellow.	05	15	30	1 00
4854 Klondyke. A fine strain on style of White Spine.	05	15	30	1 00
4860 New Orleans Market. For forcing or open ground; very productive.	05	15	30	1 00
4864 White Spine Extra-Early. An extra-early strain of the popular White Spine	05	15	30	1 00
4870 " " Improved. A very handsome and uniform early variety.	05	15	30	1 00
4880 " " Arlington. Fine either for forcing or for outdoors.	05	15	30	1 00
4890 " " THORBURN'S NOROTON SELECTED. See <i>Novelties</i> .	10	25	65	2 00
4900 " " Extra Long. A beautiful, large and well-shaped Cucumber.	05	15	40	1 25
4910 Evergreen. Very early and prolific; deep green color.	05	15	30	1 00
4920 Improved Long Green. Long and crisp; a popular variety for pickles.	05	15	30	1 00
4930 Long Green Turkey. Fruit very long and rather slim.	05	15	30	1 00
4940 Green Prolific Pickling. One of the best for pickling; dark green.	05	15	30	1 00
4950 Nichol Medium Green. Most symmetrical and a very fine table sort.	05	15	30	1 00
4960 Tailby Hybrid. Very long, and superior for table use.	05	15	30	1 00
4970 Japan Climbing. Good for frames or open ground.	05	15	30	1 00
4980 Small Gherkin. Very small bur; used for pickles.	10	20	50	1 50
4990 Lemon Cucumber, or Garden Lemon. Almost round; yellow and green markings; tender and of sweet flavor. Resembles a lemon in appearance.	10	20	50	1 50

ENGLISH CUCUMBERS FOR FRAMES

(*Concombre espèces Anglaises pour Couches*)

CULTURE.—Sow seeds in Oct., Nov., or Dec., according to the time they are wanted, in small pots, in fibrous loam, lightened and enriched with old manure; give plenty of air and water. Plunge the pots in a frame near the glass, where there is a little bottom heat, and keep them covered with brown paper until the seeds germinate. Afterwards uncover and ventilate to insure sturdiness of habit. More seeds should be sown than plants required, as some may fail to grow and others may be weaklings. Only strong plants should be employed. It is

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English Cucumbers for Frames, continued

necessary to fertilize the pistillate flowers with the staminate, to render the vines productive, as, owing to the absence of insects, they will not produce a crop under glass as in open ground.

5096 Hurst's Monarch. Splendid sort.....	Pkt.	\$0 25
5100 Lockie's Perfection. Fine color.....		25
5110 Marvel (Hurst's). Fine shape, heavy cropper.....		25
5120 Rockford's Market. Fine variety.....		25
5130 Telegraph. Free-bearing; handsome.....		25
5160 Veitch's Sensation. Fine dark variety		25

ENDIVE or CHICORY

CHICOREE *Escarola o Endivia* Endivie

CULTURE.—Sow in June, July and August; cover lightly; when up, thin out to 8 inches apart, and water well, if dry. When the leaves are 6 or 8 inches long, blanch by tying together near the top with yarn or raffia. (They must be quite dry, or they will rot.) At the approach of winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air.

	Pkt.	Oz.	¼lb.	Lb.
5210 Green Curled Winter. Standard sort for fall and winter crop.....	\$0 05	\$0 15	\$0 30	\$1 00
5220 Large Green Curled (de Ruffec). Broad ribs; fine for fall and winter.....	05	15	30	1 00
5230 Broad-leaved (Escarolle). A sweet variety; fall and winter.....	05	15	30	1 00
5240 White Curled. For early use.....	05	15	30	1 00

See, also, Witloof (French Endive) under Chicory, page 21

EGGPLANT

AUBERGINE *Berengena* Eierpflanze

CULTURE.—Sow in hotbeds very early in spring and transplant when 2 inches high into a second bed or into small pots. If this is not done, thin to 4 inches apart. Do not plant out until weather is perfectly settled and warm. Cool nights or wet weather will check them. Keep some back in frames for a second planting, in case of weather changing unexpectedly. Set out plants 3 feet by 2.

	Pkt.	Oz.	¼lb.	Lb.
5310 Improved New York Spineless. The standard; largest and best; large, oval, deep purple; early and productive.....	\$0 10	\$0 35	\$1 00	\$3 50
5320 Black Beauty. As large as the New York Improved but about ten days earlier. Very rich purplish black.....	10	40	1 25	4 00
5330 Early Dwarf Purple. Dwarf, very early; small, ovoid fruit. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.				
5340 Florida High Bush. Purple, though not so deep as the N. Y. Spineless, which it resembles in shape. Very productive, of vigorous growth, and can stand more cold than N. Y. Purple. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.				
5350 Long Purple. Of distinct shape and fine quality. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.				
5370 Black Pekin. Round, blackish purple fruit; dark foliage. Pkt. 10 cts., oz. 30 cts., ¼lb. 90 cts., lb. \$3.25.				
5380 Scarlet Chinese. Small and ornamental. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.				
5390 Round White. Small and ornamental. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.				
5400 Long White. Small and ornamental. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.				
5410 Striped. Purple and white. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.				

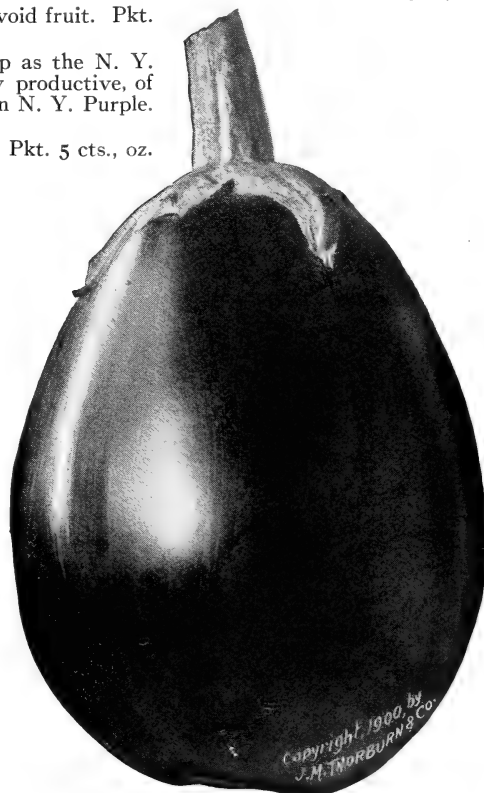
14180 FENNEL, FLORENCE or NAPLES

FENOUIL DE FLORECE *Finocchio di Napoli*

CULTURE.—Sow in spring, in rows 16 to 20 inches apart. Thin out so as to have the seedlings 5 or 6 inches apart and water as plentifully as possible. The plant is usually eaten boiled. In flavor it resembles celery, but has a sweet taste and a more delicate odor. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts.

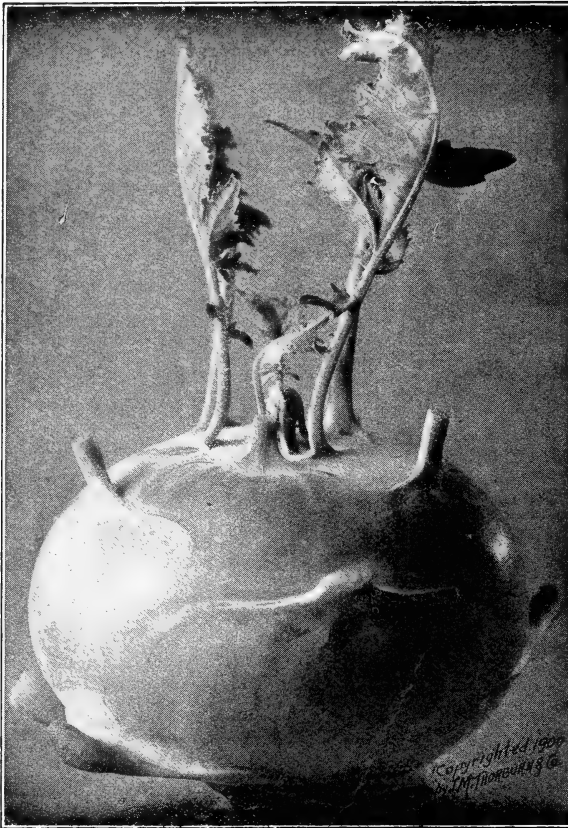
5550 ICE-PLANT

CULTURE.—Sow in good garden soil as soon as the ground becomes warm in spring, in shallow drills 1 foot apart. Thrives well in hot, dry climates. Pkt. 5 cts., oz. 35 cts.



NEW YORK IMPROVED PURPLE EGGPLANT

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KOHLRABI

KOHLRABI

CHOU-RAVE *Colinabo* *Kohlrabi*

CULTURE.—Sow in spring, in rows 18 inches apart, afterward thinning the plants to 8 or 10 inches. If the weather is suitable the thinnings may be planted, but it is considered difficult to transplant. Keep the weeds down, and when the thickened stems above ground are 2 or 3 inches through they are fit to eat, and should be used at once, being tough when old. Cook same as turnips.

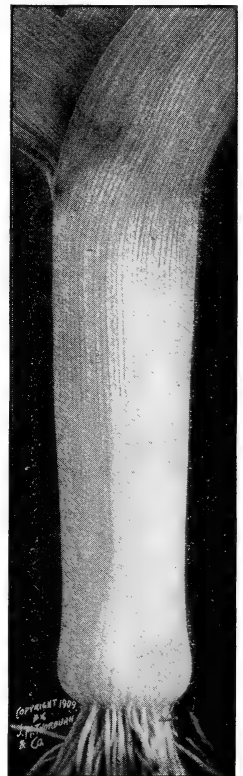
	Pkt.	Oz.	1/4lb.	Lb.
5800 Early White Vienna. Handsome and delicate; white ball.....	\$0 05	\$0 20	\$0 60	\$1 75
5810 Early White Vienna. For frames.....	10	30	85	3 00
5820 Early Purple Vienna. Purple ball, a very good sort	05	20	60	2 00
5830 Early Purple Vienna. For frames.....	10	30	85	3 00
5840 Large White, or Green. Forms a large ball; not so fine, but more productive.....	05	10	35	1 25

LEEK

POIREAU *Puerro* *Porro*

CULTURE.—Sow very early in spring in drills 6 inches apart and 1 inch deep. Thin out to 1 inch. When about 7 inches high, transplant in rows 12 inches apart, as deep as possible, but do not cover the young center leaves. Water thoroughly if dry when planted out. Draw earth up to them as they grow; rich soil is required. Take up and store in earth in a cool cellar before winter weather. The seeds may also be sown in September, and the young plants transplanted in spring to where they are to remain.

	Pkt.	Oz.	1/4lb.	Lb.
5910 BEST LARGE FLAG. Hardy and productive..	\$0 05	\$0 20	\$0 60	\$2 00
5920 Large Rouen. A standard sort; fine keeper.....	05	20	60	2 00
5940 Large Carentan. Distinct and dark-colored leaves; stout in habit and hardy.....	05	20	60	2 00
5950 Musselburgh. Similar to above in every respect	05	20	60	2 00



LEEK

KALE, or BORECOLE

(Very short crop)

CHOU VERT FRISE *Col* *Krauschohl*

CULTURE.—Nos. 5600 to 5620 are cultivated and grown exactly like cabbage. No. 5600 sown in August and September for early greens. Sow 5700 early in the spring in a hotbed, and when from 1 to 2 inches high transplant into a bed or border that has been highly manured and deeply dug. Sea Kale is not fit to eat until it has been blanched, either under large pots, or by banking up with sand.

- 5600 **Curled Dwarf Green Scotch.** Very dwarf and spreading; best strain; largely grown in the South, being sown in August and September. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts., lb. 90 cts.
- 5610 **Curled Tall Green Scotch.** A taller growth of No. 5600. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts., lb. 90 cts.
- 5620 **Curled Dwarf Brown.** Very hardy. Pkt. 5 cts., oz. 10c., 1/4lb. 30c., lb. 90c.
- 5630 **Curled Siberian Thorburn Improved.** Green curled; hardy. Pkt. 5 cts., oz. 10 cts., 1/4lb. 20 cts., lb. 60c.
- 5640 **Thousand-headed.** Valuable for cattle. Pkt. 5 cts., oz. 10 cts., 1/4lb. 25 cts., lb. 75 cts.
- 5650 **Jersey Winter Kale, or Cow Cabbage.** For feeding cattle; very hardy. Pkt. 5 cts., oz. 10 cts., 1/4lb. 25 cts., lb. 75c.
- 5660 **PeTsai** (The Chinese Cabbage). Grows like Cos lettuce. Pkt. 5 cts., oz. 20c., 1/4lb. 60 cts., lb. \$2.
- 5700 **Sea Kale.** Fine; resembles celery. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50.

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LETTUCE

LETTUCE

LAITUE *Lechuga* Salat

CULTURE.—Sow 6030, 6090, 6114 and 6230 in hotbeds in March, and in the open ground as soon as it can be worked, and transplant to rows 8 inches apart. Sow in two weeks' time same varieties again for a succession, also Cos sorts. Latter part of August sow any of the varieties. In October some of these may be planted in frames, to head in winter and early spring. Always sow thinly and thin out well, or the plants will not be strong. The last spring sowing had better be grown where sown, being thinned out to 6 to 8 inches apart. Cos Lettuce may be sown in a hotbed early in the year, and transplanted to a coldframe, so as to have good plants to set out at the opening of the ground. Lettuce requires good ground, enriched with thoroughly rotted manure, and well pulverized. The after-culture should be close and careful, to secure the best results. Lettuce seldom, if ever, heads well in hot weather.

w. s. stands for white-seeded, b. s. for black-seeded

		Oz.	¼lb.	Lb.
6020 American Gathering. Twisted and curled leaves; fine for early or late sowing.	\$0 05	\$0 10	\$0 30	\$0 90
6030 Big Boston. Fine for forcing in coldframes or for open ground. <i>w. s.</i>	05	20	50	1 50
6040 Buttercup. Yellow, solid, small heads; for forcing or outdoors. <i>w. s.</i>	05	20	55	1 75
6050 California Cream Butter. Very large, solid heads; inside very white. <i>b. s.</i>	05	15	35	1 25
6060 Coldframe White Cabbage. For starting in coldframes and setting out early. <i>w. s.</i>	05	20	50	1 50
6070 Deacon. Large, solid, summer cabbage variety. <i>w. s.</i>	05	15	35	1 00
6080 Denver Market. Very curly heads; good for forcing or outdoors. <i>w. s.</i>	05	15	35	1 00
6090 Emperor Forcing Improved. Yellow; earliest of all; only for frames. <i>w. s.</i>	05	20	55	1 75
6100 Giant Crystal Head. A splendid cabbage Lettuce; large, solid; outside leaves bright green, inside crystal-white, yellow heart, crisp, tender. <i>w. s.</i>	05	15	35	1 25
6114 Glasshouse, Thorburn's. For forcing under glass. <i>w. s.</i>	05	20	60	2 00
6120 Grand Rapids Forcing. Large, tender; one of the best for forcing. <i>b. s.</i>	05	15	35	1 25
6130 Gray-seeded Butter. One of the best; large head.	05	15	35	1 25
6140 Hanson Improved. Very large and solid; withstands the hot sun well. <i>w. s.</i>	05	15	35	1 25
6150 Hothouse. Fine forcing variety. <i>w. s.</i>	05	20	60	2 00
6160 Hubbard Market. A large cabbage variety; for forcing or open ground. <i>w. s.</i>	05	15	35	1 25
6170 Iceberg. Large, solid, curled heads; yellow heart; crisp and tender. <i>w. s.</i>	05	15	35	1 25
6190 Large White-seeded Butter. Fine, large, solid heads; good summer sort. <i>w. s.</i>	05	20	50	1 50
6200 Mammoth Black-seeded Butter, Thorburn. A selected strain; large, solid yellow heads. Favorite variety of New York market-gardeners.	05	15	35	1 25
6210 Market-Gardeners' Private Stock, Thorburn. A selected strain; solid, large heads, resisting the sun for a long time before shooting. <i>b. s.</i>	05	20	50	1 50

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Lettuce, continued

	Pkt.	Oz.	¼lb.	Lb.
6220 Maximum Thorburn. The largest, solidest, crispest and best. <i>b. s.</i>	\$0 05	\$0 20	\$0 55	\$1 75
6230 MAY KING. Large, round, solid heads. <i>w. s.</i>	05	20	50	1 50
6240 Mignonette. Distinct russet colored; very solid and compact. <i>b. s.</i>	05	20	50	1 50
6250 New York Cabbage. Large, solid heads; inside very white. <i>w. s.</i>	05	15	35	1 25
6260 Oak Leaf. A curled-leaf variety of bright green color. <i>w. s.</i>	05	20	55	1 75
6270 Passion. A medium-sized cabbage variety popular in the South. <i>b. s.</i>	05	15	35	1 25
6280 Reichner. Large, white, solid heads; fine for forcing or outdoors. <i>w. s.</i>	05	20	50	1 50
6290 "RHEINGOLD." Large solid heads; pure golden yellow. <i>See Novelties.</i>	05	20	50	1 50
6300 Salamander Improved. Fine, compact heads; resists summer heat. <i>b. s.</i>	05	15	35	1 25
6310 Shotwell Brownhead. Large, handsome, tender heads; very hardy. <i>b. s.</i>	05	20	50	1 50
6320 Simpson Early Curled. A leading early sort; very tender. <i>w. s.</i>	05	15	35	1 25
6330 Simpson Black Seed. A superior variety; large, and of light color. <i>b. s.</i>	05	15	35	1 25
6340 Tennisball White Seed (Boston Market). A well-known forcer. <i>w. s.</i>	05	15	35	1 25
6350 Tennisball Black Seed. Forms close, hard heads; for forcing. <i>b. s.</i>	05	15	35	1 25
6360 Trocadero. Hardy; for spring or summer; green, tinged russet. <i>w. s.</i>	05	20	55	1 75
6380 Yellow Winter. The finest of all coldframe sorts. <i>w. s.</i>	05	20	55	1 75

ROMAINE, or COS VARIETIES

6440 Bath Cos, Black-Seeded. Pale green leaves, slightly tinged with brown. Early and productive and of fine flavor. <i>b. s.</i>	05	20	50	1 50
6450 White Paris Cos. Of upright growth; fine. <i>w. s.</i>	05	15	35	1 25
6460 Trianon Cos. Resists heat well. <i>w. s.</i>	05	20	50	1 50
6470 Express Cos. A fine, very dwarf early sort, requiring no tying up. <i>w. s.</i>	05	15	35	1 25
6480 Balloon Cos. Fine sort. <i>b. s.</i>	05	20	50	1 50
6490 GOLDEN YELLOW COS. Long standing; solid; golden yellow. <i>See Novelties.</i> ..	05	20	60	2 00
6500 RED COS. A splendid French sort. <i>See Novelties.</i>	05	20	50	1 50

MUSTARD

MOUTARDE Mostaza Senf

CULTURE.—Sow thickly during early spring, in shallow drills, and press the earth well down. For fall salad, sow in September, or in frames or boxes during winter.

	Pkt.	Oz.	¼lb.	Lb.
6650 Black. These seeds form the mustard of commerce.	\$0 05	\$0 10	\$0 25	
6660 White London. Leaves used for salads while young; grows very rapidly.	05	10	25	25
6670 Giant Southern Curled. Very large leaves.	\$0 05	10	20	50
6680 Chinese Broad-leaved. Leaves of agreeable flavor when cooked like spinach.	05	10	20	50
6684 Elephant's Ear. Immense light green leaves.	05	10	20	50
6690 Fordhook Fancy. Very ornamental; plants of vigorous growth; leaves dark green, curved outwardly. If used as a vegetable, cook like spinach.	05	10	20	50
6700 Ostrich Plume. Leaves curled and frilled like an ostrich plume.	05	10	20	50

MELON, MUSK (Cantaloup)

CULTURE.—Select a light, rich, sandy soil, and after all danger of frosts is over, and the ground has become warm and dry, plant in hills 4 to 6 feet apart each way, six to twelve seeds to a hill. When up and all danger of insects has passed, pull out all but three plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting. Ashes, lime, or even dry road dust, is excellent to sift over young plants when the dew is on, to prevent the attacks of insects. A few hills for early use may be had by sowing in hotbeds, on pieces of sod or in pots. The seed may also be started out-of-doors under hand frames or glasses. It is quite important that proper soil be selected for growing Muskmelons.

SALMON-FLESHED VARIETIES

	Pkt.	Oz.	¼lb.	Lb.
6780 Baltimore Market. Oblong; orange flesh, of fine quality; intermediate. ..	\$0 05	\$0 15	\$0 35	\$1 25
6790 Banquet. Beautifully netted, medium size, rich salmon flesh, fine quality. ..	05	15	35	1 25
6800 Burrell's Gem. Reddish orange flesh; fine-grained and spicy.	05	15	35	1 00
7050 Defender. One of the very best yellow-fleshed sorts; medium size, oval in shape; flesh very firm and rich. Very vigorous and productive.	05	20	50	1 50
6810 Emerald Gem. Small, extra-early; dark green skin, orange flesh; very sweet. ..	05	15	35	1 25
7060 Osage. Cocoanut-shaped, yellow flesh; light green, netted skin.	05	20	50	1 50
6820 Paul Rose. Handsome oval variety; rich orange flesh; very sweet.	05	15	35	1 25
6830 Surprise. Oblong; rich orange flesh of fine quality; early.	05	15	35	1 25
6840 Nutmeg Tip Top. An improved strain; very sweet; salmon flesh.	05	15	35	1 25
6850 Orange Christina. Fine orange sort. Round, very sweet and very early. ..	05	15	35	1 25

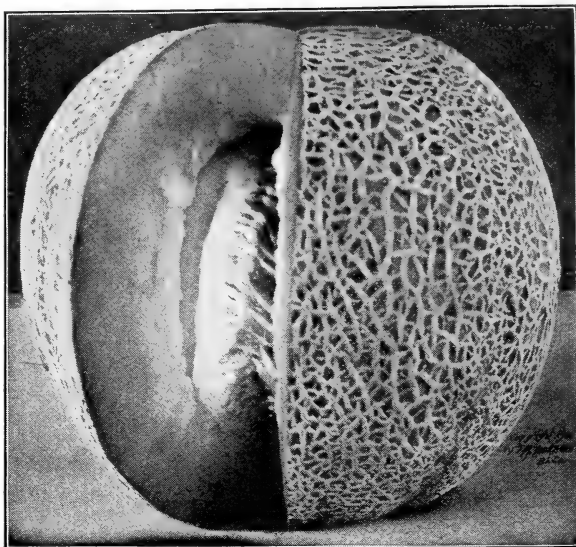
GREEN-FLESHED VARIETIES

6880 Bay View Hybrid. Prolific; very large; late; green flesh.	05	15	35	1 25
6904 HYBRID CASABA. <i>See Novelties.</i>	10	25	75	2 50
6910 Champion Market. Large, slightly elongated; netted; flesh light green; early ..	05	15	35	1 25
6920 Hackensack. Large, round, and of good quality; a popular variety; early. ..	05	15	35	1 25
6930 "Extra Early. Ripens to days earlier than the Hackensack.	05	15	35	1 25
6940 Jenny Lind. Small, green-fleshed; very early, good quality.	05	15	35	1 25

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound

Green-Fleshed Muskmelons, con.

- 6950 **Long Island Beauty.** On style of Hackensack. The earliest and finest in quality, and the most beautiful of all Muskmelons. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.
- 6970 **Montreal, Green.** Large, round, netted; flesh thick and light green; late. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.
- 6980 **Netted Gem, Round.** Very early; small and of fine flavor; green flesh. Pkt. 5 cts., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.
- 6990 **Netted Gem, Oblong.** Same as above, save in shape. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.
- 7000 **Nutmeg.** Sweet, green flesh; very early; named from its shape. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.
- 7010 **Rocky Ford.** Improved Netted Gem; very sweet and fine-flavored; oblong. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.
- 7030 **Skillman's Netted Gem.** Oval shape; early; sweet and highly perfumed; green flesh. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.



MUSKMELON

MISCELLANEOUS VARIETIES

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
7110 Banana Citron. Cucumber-shaped; highly perfumed; late.....	\$0 05	\$0 20	\$0 50	\$1 50
7120 Mango Melon, or Vine Orange. Size, shape and color of an orange; fine for preserving or for pickling.....	05	20	60	2 00
7130 Pomegranate. Ornamental, for perfume; late.....	05	20	60	2 00
7140 Winter Pineapple. An extraordinary melon; can be kept in splendid condition for months after being pulled. For the South only.....	05	20	50	1 50

IMPORTED VARIETIES OF MUSKMELON**ENGLISH FRAME VARIETIES**

	Pkt.
7220 Eclipse. Green flesh.....	\$0 25
7230 Blenheim Orange. Scarlet flesh.....	25
7250 Monroe's Little Heath. Scarlet flesh.....	25
7260 Sutton's Superlative. Scarlet flesh.....	25
7270 Guntton Scarlet.	25
7280 Royal Sovereign. White flesh.....	25
7290 Windsor Castle. Green flesh.....	25

FRENCH VARIETIES

These sorts ripen outdoors here, and are well worthy of cultivation

7300 Delight of the Table.	25
7310 Trevoux.	25
7320 Noir des Carmes.	25
7330 Tours Sugar.	25

These are four of the latest Paris market sorts.

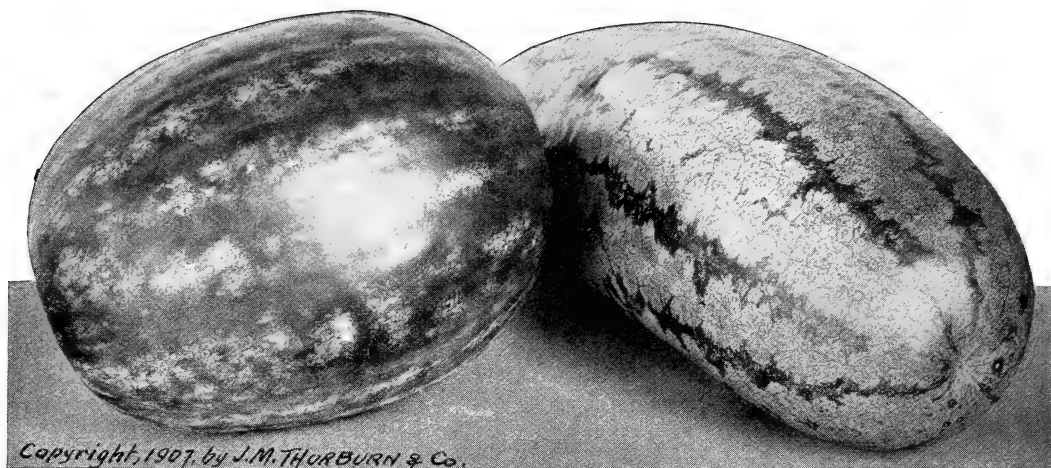
MELON, WATER

MELON D'EAU Zandia Wassermelone

CULTURE.—Treat the same as Muskmelon, except that they should be planted 8 or 10 feet apart, according to variety. Light soil is best.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
7410 Alabama Sweet. Dark green skin; flesh tender and sweet. Fine shipper.....	\$0 05	\$0 10	\$0 25	\$0 75
7430 Black Diamond. Dark green, tough skin; large size, round.....	05	10	25	75
7440 Black Spanish. Roundish, nearly black; dark red flesh; early.....	05	10	25	75
7450 Boss. Oblong, dark green; flesh deep scarlet, and rind thin; intermediate.....	05	10	25	75
7460 Blue Gem, or Iceberg. Bright red flesh; very sweet; fine shipper.....	05	10	25	75
7480 Bradford. Long and of dark color; flesh sweet and tender.....	05	10	25	75
7490 Cole's Early. Medium size; red flesh; green skin.....	05	10	25	75
7500 Cuban Queen. Solid and heavy; skin marked regularly; excellent; early.....	05	10	25	75
7510 Dixie. Excellent quality; very large and solid; red flesh; intermediate.....	05	10	25	75
7530 Early Fordhook. Extra-early; good size; green skin, red flesh.....	05	10	25	75
7540 Florida Favorite. A superior strain; oblong; red flesh; intermediate.....	05	10	25	75

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound.



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Melon, Water, continued

	Pkt.	Oz.	1/2lb.	Lb.
7550 Halbert Honey. Dark, glossy, green skin; flesh crimson, luscious and sweet. Strong, vigorous grower and free fruiter. Fine for Northern states...	\$0 05	\$0 10	\$0 25	\$0 75
7560 Hungarian Honey. A very early sort, fine for northern latitudes; perfectly round; brilliant red flesh.	05	10	30	1 00
7570 Ice Cream, White Seed. Very early; red flesh.	05	10	25	75
7580 Icing, Dark. Solid dark green skin; superior quality; white seed; early.	05	10	25	75
7590 Icing, Light. Round; pink flesh of fine quality.	05	10	25	75
7600 Jordan Gray Monarch. Largest grown; crimson flesh; late.	05	10	25	75
7606 Jumbo. Deep red flesh of excellent flavor. Very large, almost globular in shape; striped light and dark green	05	10	25	75
7610 Kleckley Sweets. Exceedingly sweet and fine-flavored; dark green skin; thin rind; flesh scarlet, solid and firm.	05	10	25	75
7620 Kolb Gem. Large; good shipper; bright red flesh; intermediate.	05	10	25	75
7630 Mammoth Ironclad. Long; very large; late; red flesh; good shipper.	05	10	25	75
7640 Mammoth Santiago. Light green skin, striped dark green; deep blood-red flesh of sweet flavor; uniformly large and long; a good shipper.	05	10	25	75
7650 Mountain Sweet. Red flesh; late.	05	10	25	75
7660 Phinney. Early, and of fine quality; large; solid; red flesh; intermediate.	05	10	25	75
7670 Pride of Georgia. Round; large; crisp; bright red flesh; intermediate.	05	10	25	75
7680 Rattlesnake, Southern. Oblong, dark and striped; bright red flesh; late.	05	10	25	75
7690 Seminole. Very large; quality first-rate; intermediate.	05	10	25	75
7700 Sugar Stick. Light green; oblong; luscious rich red flesh. Strong grower.	05	10	30	1 00
7720 Sweetheart. Very large; bright skin; fine quality.	05	10	25	75
7724 TOM WATSON. Produces melons 16 to 22 inches long and 8 to 10 inches in diameter. The dark green rind is thin but tough, so that it stands shipping well. The flesh is deep red, crisp and melting and of finest flavor.	05	10	25	75
7730 Triumph. Bluish green skin, red flesh, large; good shipper.	05	10	25	75
7740 Wonderful Sugar. Very sweet; handsome, oblong shape.	05	10	25	75
7750 Citron, Green Seed. Used for preserves.	05	10	25	75
7760 Citron, Red Seed. Round and handsome; for preserving.	05	10	25	75

NASTURTIUM

CAPUCINE *Maraneula* Nasturtium

CULTURE.—Sow as soon as all danger of frost is past, in drills about an inch deep. The tall kinds require fences or poles on which to climb. The seeds are used in flavoring pickles, or as a substitute for capers.

	Pkt.	Oz.	1/2lb.	Lb.
7900 Tall Crimson, 7910 Tall Yellow. Each.	\$0 05	\$0 15	\$0 40	
7920 Tall Mixed.	05	10	25	\$0 75
7930 Dwarf Mixed.	05	10	35	1 00

OKRA, or GUMBO

GOMBAUD *Quimbombo* Safran

CULTURE.—Sow late in the spring, after the ground has become warm, in drills 3 feet apart, where the plants are to remain. Thin out to from 9 to 12 inches. They should be well manured. They may also be raised in pots or a hotbed, and transplanted. For keeping, they should be picked whilst small and tender.

	Pkt.	Oz.	1/2lb.	Lb.
8020 Long Green. Tall; very productive; moderately long green pods.	\$0 05	\$0 10	\$0 20	\$0 50
8030 White Velvet. Tender long white pods; smooth and velvety in appearance.	05	10	20	50
8040 Dwarf Green Prolific. Short thick pod.	05	10	20	50
8050 Perkin's Mammoth. Fine strain; very long pods.	05	10	20	50

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ORACH, or FRENCH SPINACHARROCHE *Arnuella*

CULTURE.—Sow early in spring; cultivate and use like spinach.

	Pkt.	Oz.	¼lb.	Lb.
8100 Red. Distinct; dark red leaves.....	\$0 05	\$0 15	\$0 35	\$1 25
8120 White. Pale green leaves, almost yellow.....	05	15	35	1 25

MUSHROOM SPAWNBLANC DE CHAMPIGNON *Seta* *Champignonbrut*

CULTURE.—Mushrooms may be grown in cellars, under benches of greenhouses, or in sheds, wherever the temperature of 50 degrees can be kept up through the winter. The beds should be made from November to February, according to the time the Mushrooms are wanted, and it requires about two months for them to begin bearing. Secure fresh horse-manure, free from straw and litter, and mix an equal bulk of loam from an old pasture with it. Keep this under cover, taking care to turn it every day to prevent heating, until the pile is large enough to make a bed the required size. Three or 4 feet wide, 8 inches deep and any length desired are the proper proportions for a bed, but these may be varied. Prepare the mixture of loam and manure, making the bed in layers, and pounding down each with the back of the spade. Leave this to heat through for a few days, and as soon as the heat subsides to 90 degrees, make holes in the bed about a foot apart each way, into which put pieces of the spawn 2 or 3 inches in diameter; fill up the holes with the compost, and at the expiration of a week or ten days the spawn will have thoroughly diffused itself through the bed. Spread a layer of fresh soil over the heap to the depth of 2 inches and cover with 3 or 4 inches of hay, straw or litter. Examine the bed often to see that it does not get dry. Take special care, however, when water is given, that it be at a temperature of about 100 degrees.

From our experience with English, French and American Spawn, we find there is an important difference between them. If the manure in the bed is in proper condition, the French Spawn will take hold and grow fully as well as the other two; but, if the bed is not in the right state, it will often rot. The American and English Spawn, on the contrary, after starting a little, will remain in a comparatively dormant state for a long time without losing its vitality. It is well to keep these points in mind in ordering spawn. The French Spawn should be slightly moistened by sprinkling with water for two or three days before planting.

8170 American Spawn. In bricks. Per brick 19 cts., 10 bricks \$1.60, per 100 bricks \$12.50. Per lb.	10 lbs.
8190 English Spawn. In bricks.....per 100 lbs.	\$9 50 15 \$1 00
8200 French Spawn. In bricks.....	30 2 50

*Transportation charges extra.***MARTYNIA (For Pickles)***Gemsenhorn*

CULTURE.—Sow in May in the open ground, 3 feet apart in each direction, where the plants are to remain; or the seed may be sown in a hotbed, and the seedlings afterward transplanted. These varieties are productive and fine for pickles. Pick when small and tender, and preserve the same as cucumbers.

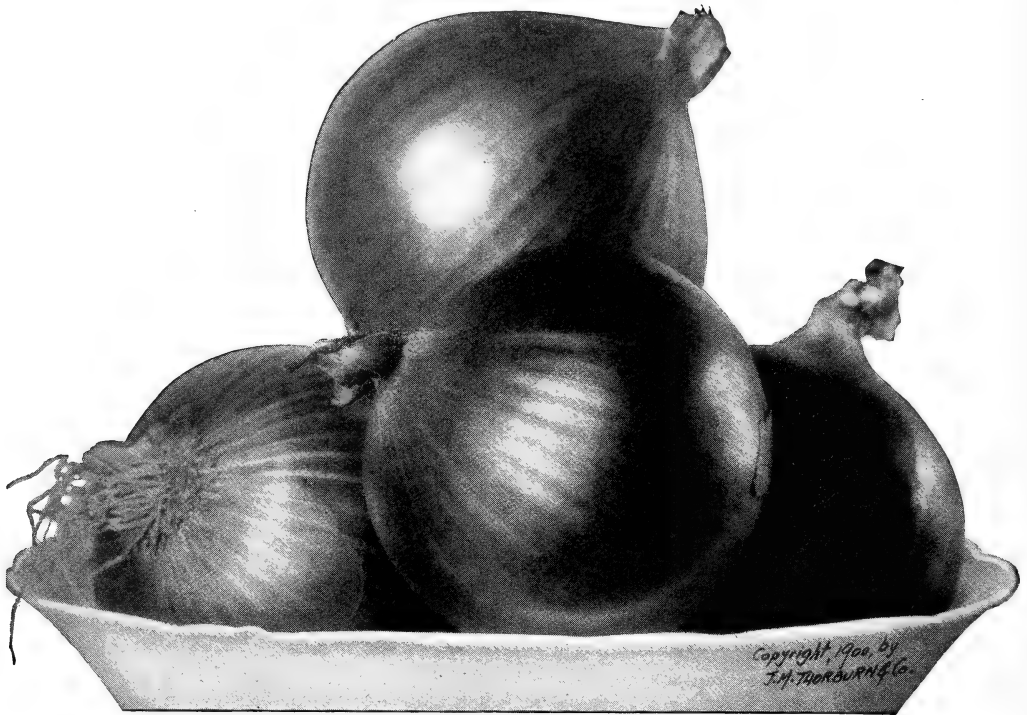
	Pkt.	Oz.	¼lb.	Lb.
8250 Craniolaria.....	\$0 05	\$0 25	\$0 70	\$2 25
8280 Proboscidea.....	05	25	70	2 25

ONIONOIGNON *Cebolla* *Zwiebel*

CULTURE.—Sow in rich, sandy soil, in drills 1 foot apart, as soon as the ground can be worked in spring—at the rate of 4 to 5 lbs. to the acre. Thin to 3 or 4 inches, using the rake and hoe frequently to keep down the weeds. The finest Onions are produced by the new method of sowing the seed in hotbed in February and March and transplanting the seedlings to the open ground.

	Pkt.	Oz.	¼lb.	Lb.
8320 White Early Barletta. A small white Italian sort; earliest.....	\$0 05	\$0 20	\$0 60	\$2 00
8330 " Queen. Pure white, small, flat, extra-early; fine for pickling.....	05	20	50	1 50
8340 " Pearl. Extra-early, round; white; fine.....	05	20	50	1 50
8350 " Victoria. Italian; white and globular.....	05	20	60	2 00
8360 " Large Portugal. The standard large flat sort of the New York markets.....	10	30	80	2 50
8370 " Large Globe (Southport Strain). Very large and handsome.....	10	30	90	3 00
8380 " Mammoth Garganus, or Silver King. Large, silvery white Italian.....	05	20	50	1 50
8390 " Paris Silverskin. Fine Italian sort.....	05	20	50	1 50

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound.



GLOBE ONIONS

Onions, continued

	Pkt.	Oz.	¼lb.	Lb.
8400 White Bermuda (Teneriffe-grown).....	\$0 10	\$0 30	\$1 00	\$3 50
8410 " " Crystal Wax (Teneriffe-grown).....	10	35	1 15	4 00
8420 " Tripoli (El Paso, or Mexican). Large white Italian variety.....	05	20	50	1 50
8430 " Bunching, or Italian Silverskin.....	05	20	50	1 50
8520 " Welsh. The leaves are used for salad early in spring. Sow in fall ..	05	20	60	2 00
8540 Yellow Danvers. A standard sort; early and a good keeper.....	05	20	50	1 50
8550 " Globe Danvers. Of more globular shape; keeps well.....	05	20	50	1 50
8560 " Large Globe (Southport Strain). The finest large yellow.....	05	20	60	2 00
8564 " Globe Michigan. True globe-shape; fine keeper.....	05	20	60	2 00
8570 " Globe Spanish, or Prizetaker. Immense size; globe-shaped.....	05	20	55	1 75
8574 " DENIA. Imported from Spain. <i>See Novelties</i>	15	75		
8580 " Strasburg, or Dutch. Fine keeper; flat; yellow skin, white flesh ..	05	20	50	1 50
8590 " Globe, Australian. Globe-shaped, thin neck; flesh pure white, solid and crisp. Early and a good keeper.....	05	20	60	2 00
8600 " Ailsa Craig. A splendid yellow globe variety, grown largely for exhibition purposes.....	10	35	1 15	4 00
8700 Red Australian Brown. Medium size, hard, solid; very early.....	05	20	50	1 50
8710 " Bermuda (Teneriffe-grown).....	10	30	85	2 75
8720 " Large Wethersfield. Half-early, and a good keeper; large size.....	05	20	50	1 50
8730 " Large Globe (Southport Strain). The finest large red sort.....	05	20	60	2 00
8740 " Early Globe. Like above, but earlier and not so large.....	05	20	55	1 75
8750 " Early Flat. Medium size, very early, deep red; mild flavor.....	05	20	55	1 75
8760 Chives Seed.....	10	50		
8790 Yellow Potato Onion (Seed).....	10	35	1 00	3 50
8820 Shallot Seed.....	10	50		

ONION SETS

Plant in drills about 12 inches apart and 4 inches in the rows. They must have high culture.

These are the prices ruling in January; later on they may be higher.

	Qt.	½pk.	Pk.
Yellow Onion Sets.....	\$0 20	\$0 60	\$1 00
White Onion Sets.....	25	75	1 25
Red Onion Sets.....	20	60	1 00

PEAS

Pois

Chicharos o Guisantes

Erbsen

CULTURE.—A week may be gained in earliness by sowing a quantity in moist sand placed in a box in the cellar, and planting outside when well sprouted. Light, dry soil, not over rich, suits the Pea. Sow as early as the ground can be worked, and again every ten days for succession. Peas may be sown in this vicinity as late as the 20th of August. Medium and late Peas must be planted early; Extra-Earlies may be planted again in August. Sow in single or double rows, from 4 to 6 feet apart, according to the different heights, about an inch apart in the row (except such sorts as we note to sow thinly) and 4 inches deep. In this climate, the O'Rourke Pea, if planted from the 10th to the last of August, will produce a fair crop for fall picking, when Peas will be most acceptable. Hoe often and keep the ground clean and fine. The tall sorts can be made to bear more freely by pinching in. The dwarf varieties may be grown in beds like bush beans, with rows about the same distance apart. The holes which are sometimes found in Peas are caused by the Pea weevil (*Bruchus pisi*). The beetles lay their eggs on the young pods, and the larvæ, as soon as hatched, make their way through the pods and into the nearest peas. If the new aphide attacks the Peas, spray the vines every day with clear water of the same temperature as the atmosphere.

Those marked with a star (*) are wrinkled marrows, and, unless otherwise stated, should be sown thicker than the round Peas, and not until the ground has become warm, as they are more liable to rot. They are the finest flavored of all Peas. Those marked thus (†) are large-podded sorts.

We supply packets of Peas at 10 cts. each, postpaid, except where quoted otherwise; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart

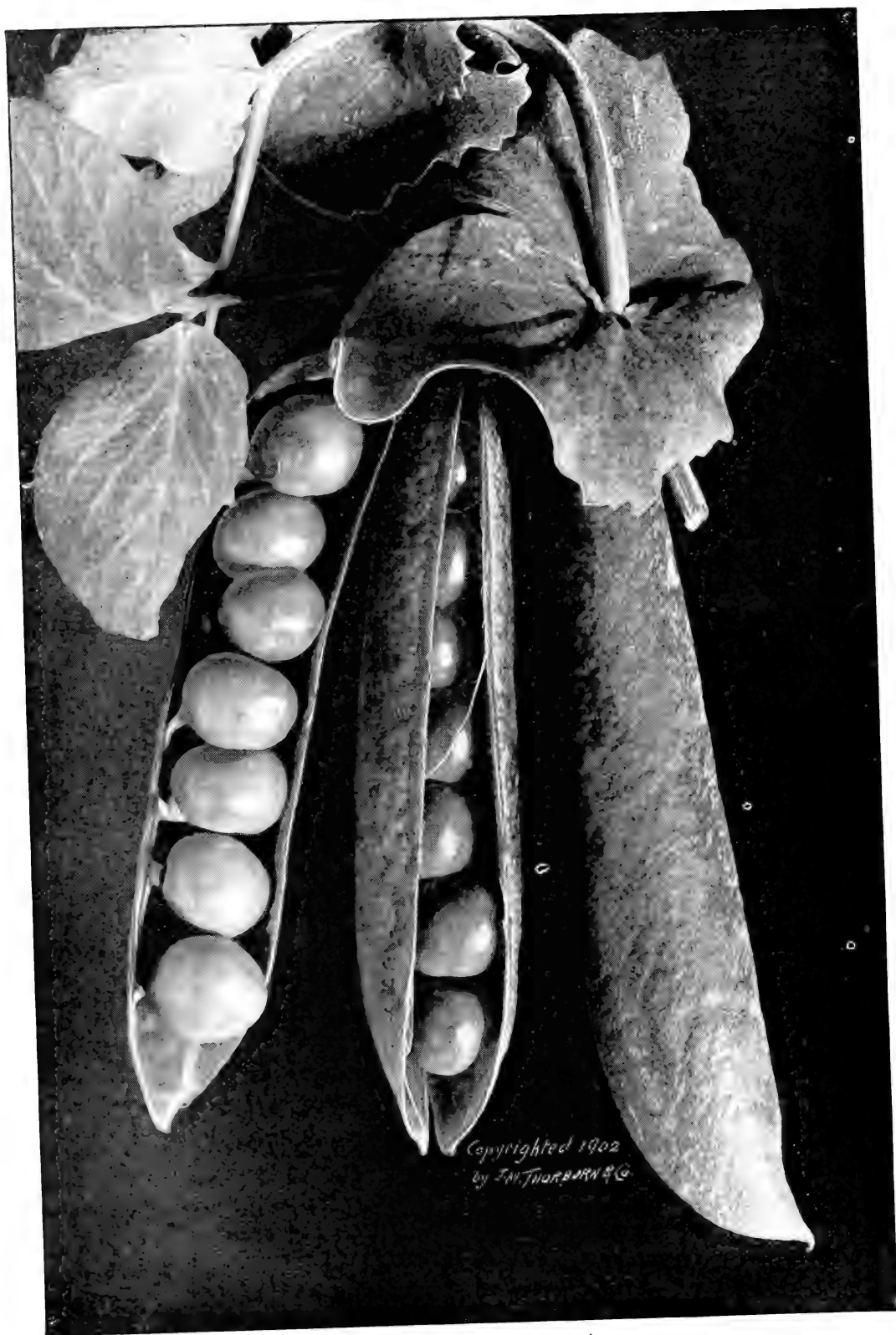
EXTRA-EARLY

	Height in feet	Per pint	Per quart	Per ½pk.	Per pk.
8900 Thorburn Extra-Early Market. Our standard market-garden extra-early Pea; productive and profitable to grow.....	2½	\$0 25	\$0 40	\$1 30	\$2 25
8910 Daniel O'Rourke, Improved. Extra-early; favorite market-garden sort.....	2½	25	40	1 30	2 25
8920 First-of-All. First-class selected strain of extra-earlies.....	2½	25	40	1 30	2 25
8930 Alaska. One of the very earliest blue Peas; quite productive.....	2½	25	40	1 30	2 25
8940 *† Thomas Laxton. A cross between Gradus and one of the extra-early sorts. Ripens within a day or two of the earliest round varieties; very productive. The pods are large and contain 7 or 8 large, wrinkled peas of the finest flavor. Pkt. 15 cts....	3	35	60	2 25	4 00
8950 †* Gradus , also called Prosperity. One of the finest extra-early Peas yet introduced; is in condition to pick about four days after Extra-Early Market. Pods very large, filled with large, wrinkled deep green peas of finest quality.....pkt. 15c....	3	35	60	2 25	4 00
8970 Ameer (Claudit). Finest quality; exceedingly productive.....	2½	25	45	1 50	2 50
8980 * American Wonder. Early and productive; fine quality.....	1	25	45	1 50	2 50
8990 * Sutton's Excelsior. Dwarf Wrinkled Pea, as early as American Wonder, with much broader pods, filled with large peas of the finest flavor, and produced in greater abundance.....	1	30	50	1 75	3 00
9000 * Nott's Excelsior. Splendid early wrinkled sort; very prolific.....	1	30	50	1 75	3 00
9010 * Premium Gem. Early, straight pods, well filled.....	1	25	45	1 50	2 50
9020 * Little Gem. Early; straight pods.....	1½	25	45	1 50	2 50
9050 * Wm. Hurst. Dwarf, wrinkled. On style of American Wonder....	1	30	50	1 75	3 00
9060 * PETER PAN. See <i>Novelties</i>.....Pkt. 25c....	1½				
9070 SAXONIA. See <i>Novelties</i>.....Pkt. 25c....					

EARLY AND MEDIUM

9130 * Advancer. A fine standard sort of excellent quality.....	2½	25	40	1 30	2 25
9160 * Abundance. Long, round, well-filled pods; sow thinly.....	1½	25	45	1 50	2 50
9170 * Horsford's Market-Garden. On the style of Advancer; very prolific.....	2½	25	40	1 30	2 25
9180 * Everbearing. Long pods; large pea; sow thinly.....	2½	25	40	1 30	2 25
9190 † Pride of the Market. Very large pods, green pea; sow thinly....	2	30	50	1 75	3 00
9200 * Champion of England. A well-known standard sort; sow thickly.	5	25	45	1 50	2 50
9210 * Dwarf Champion. A dwarf form of the popular Champion of England, with large pods; very productive; finest quality.....	2	25	45	1 50	2 50
9220 †* Duke of Albany (American Champion). Immense pods on style of Telephone; very superior.....	5	30	55	2 00	3 50
9260 †* Heroine. Large, full pods; enormously productive.....	2½	25	45	1 50	2 50
9280 †* Sutton's Dwarf Defiance. Straight, long pods, dark green in color, closely packed with large Peas of superior flavor. Very productive.....	2½	30	50	1 75	3 00
9290 †* Shropshire Hero. Very productive; long, handsome pods; fine flavor.....	2½	25	45	1 50	2 50
9300 * Yorkshire Hero. A spreading variety; productive; sow thinly....	2½	25	40	1 30	2 25

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound.



GRADUS PEAS (See page 31)

MAIN AND LATE CROP

	Height in feet	Per pint	Per quart	Per ½pk.	Per pk.
9400 †*Admiral Dewey. Enormous pods; large, wrinkled peas of fine flavor; very productive.....	3½	\$0 30	\$0 50	\$1 75	\$3 00
9410 †*Juno. Large, straight pods; fine quality; very productive.....	1½	30	50	1 50	2 50
9420 †*Stratagem. Very large pods; peas of finest quality	1½	30	50	1 75	3 00
9440 †Telegraph (L. I. Mammoth). Large pods and peas.....	4	30	50	1 75	3 00
9450 †*Telephone. Enormous pods and peas of best quality.....	4	30	50	1 75	3 00
9460 White Marrowfat. A favorite; heavy yielder	4	15	25	90	1 65
9470 Black-eyed Marrowfat. Very hardy and prolific; for market.....	3	15	25	90	1 65

We supply packets of Peas at 10 cts. each, postpaid.

SUGAR PEAS (EDIBLE PODS)

Sugar Peas have edible pods which are eaten when young.

	Height in feet	Per pint	Per quart
9540 Mammoth Gray-seeded Sugar. Immense pods.....	Pkt. 15 cts...	5	\$0 40
9550 Dwarf Sugar. Very early.....			30 50
9564 Luscious Sugar.....	Pkt. 15 cts...		40 75

PARSLEY and PARSNIP. See page 34.

PEPPER

PIMENT *Pimiento* Pfeffer

CULTURE.—Sow in hotbeds in March and, when the soil has become warm, set in rows 2 feet apart and 18 inches in the rows; hoe frequently. The plants may also be forwarded in small pots.

9650 **Bell, Large.** Large, bright red; largely used for pickling. It is of such mild flavor that it may be eaten as a vegetable. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

9660 **Chinese Giant.** Very large; flesh very mild and thick; bright scarlet color. Pkt. 10 cts., oz. 40 cts., ¼lb. \$1.25, lb. \$4.

9670 **Cayenne Long Red.** Bright red slender pods, 3 inches long; pungent. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

9680 **Celestial.** At first fruit is yellow, but when fully matured, a deep scarlet. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

9700 **Golden Queen Mammoth.** Very large fruits; rich golden yellow color; early. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

9710 **Monstrous.** Very large and of mild flavor; for use when green

9720 **Neapolitan.** Very early and productive. Large and sweet.....

9740 **Red Cherry.** Cherry-shaped; for pickles, for which they are largely used...

9750 **Red Chili.** Very productive; very small, red and very pungent.....

9760 **Red Cluster.** A new type of Chili, with upright, bright red fruits.....

9770 **Ruby King.** Bright red, 4 to 6 inches long; mild; best for stuffing.....

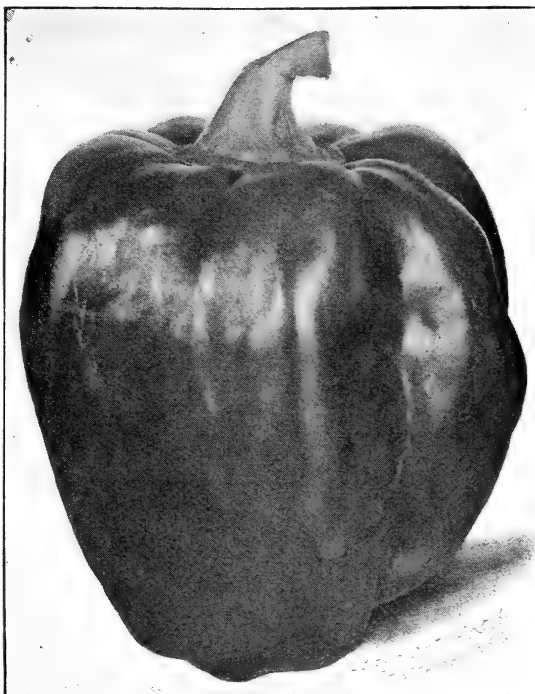
9780 **Squash, Large.** Productive; for pickles.....

9790 **Sweet Mountain.** Large size; regular, handsome shape; mild flavor.....

9800 **Sweet Spanish.** Large, mild; used for salad.....

9810 **Tabasco. True.** Bush 3 feet high; small, long, bright red fruit in clusters; very hot and the best for pepper-sauce and pickling.....

9840 **Upright Sweet Salad.** Finest of all. Handsome; bright scarlet color; thick flesh; mild and very sweet; productive and of finest quality.....



PEPPER

	Pkt.	Oz.	¼lb.	Lb.
9710 Monstrous. Very large and of mild flavor; for use when green	\$0 05	\$0 20	\$0 60	\$2 00
9720 Neapolitan. Very early and productive. Large and sweet.....	05	25	75	2 50
9740 Red Cherry. Cherry-shaped; for pickles, for which they are largely used...	05	25	65	2 25
9750 Red Chili. Very productive; very small, red and very pungent.....	05	25	65	2 25
9760 Red Cluster. A new type of Chili, with upright, bright red fruits.....	05	25	65	2 25
9770 Ruby King. Bright red, 4 to 6 inches long; mild; best for stuffing.....	05	35	85	3 00
9780 Squash, Large. Productive; for pickles.....	05	25	75	2 50
9790 Sweet Mountain. Large size; regular, handsome shape; mild flavor.....	05	25	75	2 50
9800 Sweet Spanish. Large, mild; used for salad.....	05	25	75	2 50
9810 Tabasco. True. Bush 3 feet high; small, long, bright red fruit in clusters; very hot and the best for pepper-sauce and pickling.....	10	45	1 50	4 50
9840 Upright Sweet Salad. Finest of all. Handsome; bright scarlet color; thick flesh; mild and very sweet; productive and of finest quality.....	10	35	1 00	3 50

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound

PARSLEY

PERSIL *Perijil* Petersilie

CULTURE.—Soak the seeds a few hours in lukewarm water, and sow early in spring, and until the middle of July in drills 1 foot apart. Have the soil thoroughly pulverized, and, after sowing the seed, pat it down lightly with the spade. Thin out the plants to 4 inches. To preserve in winter, transplant to a light cellar or coldframe. N. 9970 should be thinned out while young, and managed in after-cultivation the same as carrots and parsnips. The roots are edible either raw or cooked.

	Pkt.	Oz.	¼lb.	Lb.
9920 Thorburn's Extra Curled. Superior.....	\$0 05	\$0 15	\$0 35	\$0 90
9930 Thorburn's Moss Curled. Very pretty.....	05	15	35	90
9940 Fern-leaved. Fine curled.....	05	15	35	1 00
9950 Plain. The ordinary form.....	05	15	35	90
9960 Beauty of the Parterre. For edging, and equally good as a condiment....	05	15	40	1 25
9970 Hamburg, or Rooted. Edible roots.....	05	20	50	1 75
9980 Glory of Erfurt. Turnip-rooted.....	05	20	50	1 75
9990 Turnip-rooted Thick Sugar.....	05	20	50	1 75

PARSNIP

PANAIS *Chirijia* Pastinake

CULTURE.—Sow as early in the spring as the ground can be worked, in rich soil, in drills 18 inches apart. The ground should be well and deeply dug. Thin to 6 or 8 inches in the rows. Hoe and cultivate often to keep down weeds.

	Pkt.	Oz.	¼lb.	Lb.
10030 Thorburn Hollow Crown. A market-gardener's strain.....	\$0 05	\$0 15	\$0 35	\$0 90
10050 Early Round.....	05	15	35	90

PUMPKIN

POTIRON *Calabaza* Große Kürbis

CULTURE.—May be planted middle of spring, among the Indian corn or in the field or garden, in hills 8 or 10 feet apart each way, four seeds in a hill. In other respects are cultivated in same manner as melons and cucumbers. Avoid planting them near other vines.

	Pkt.	Oz.	¼lb.	Lb.
10150 Large Cheese. Flat; one of the best varieties for family use.....	\$0 05	\$0 10	\$0 20	\$0 60
10160 " " Kentucky. Flat; fine for pies, etc.....	05	10	20	50
10170 Early Sugar. Fine-grained, sweet and prolific; small; yellow.....	05	10	20	60
10200 Golden Oblong. Orange skin, light yellow flesh; fine quality; good keeper	05	10	20	60
10210 Cushaw Golden. Fine yellow crookneck sort.....	05	10	25	80
10220 " Striped. A splendid striped crookneck variety.....	05	10	25	80
10224 " White. A white crookneck variety of excellent quality.....	05	10	25	80
10230 Tennessee Sweet Potato. Bell-shaped; thick, white flesh; fine for pies...	05	10	25	80
10240 Calhoun. Very superior quality; yellow flesh; fine for pies.....	05	10	25	75
10244 Japan Crookneck. Fine keeper. Quality excellent.....	05	10	25	75
10250 Red Etampes. Medium size, flat; very productive.....	05	15	40	1 25
10254 Jonathan. Large, white crookneck; fine for pies.....	05	15	35	1 00
10260 Mammoth King. Grows to an enormous size.....	05	15	40	1 25
10270 Mammoth Tours. A very large French variety.....	05	10	25	75
10280 Quaker Pie. Very prolific and a good keeper; fine for pies.....	05	10	25	80
10290 Winter Luxury. A fine keeper and one of the best for pies.....	05	10	25	80
10300 Connecticut Field. Grown in corn-fields for stock.....	½lb. 20 cts.	05	10	15 30

SEED POTATOES GROWN EXPRESSLY FOR SEED

POMME DE TERRE *Palatas* Kartoffeln

CULTURE.—Three to four barrels to the acre. In order to have the best success in growing Potatoes, it is necessary to plant as early as the ground can be made ready. Select a rich soil, and plant in rows 3 feet apart, and the sets 1 foot in the rows. If wood-ashes and plaster can be procured, sow a good dressing over the field after the Potatoes are up. If a very early crop is desired, it will be necessary to sprout the Potatoes before planting. Cut the Potatoes into pieces of any size desirable, and place in a warm, light room for four to six weeks before required for planting in the open ground. During this time shoots will start out strong and vigorous, so that, as soon as planted, they will send out roots and grow much more rapidly than those treated in the ordinary way. Another method is to place the sets in a hotbed two weeks before they are wanted, and then lift carefully and set out on fresh horse-dung, so that the heat will cause them to start at once. If the Colorado Potato-beetle makes its appearance, the vines must be dusted with Paris green mixed with about 80 parts of plaster; or what is better, mix the Paris green in water, one small tablespoonful to a pailful, and apply with a small brush or broom. Take care to stir the mixture often, or else the Paris green will settle to the bottom. Two or three applications during the season will usually suffice to clean off all the beetles.

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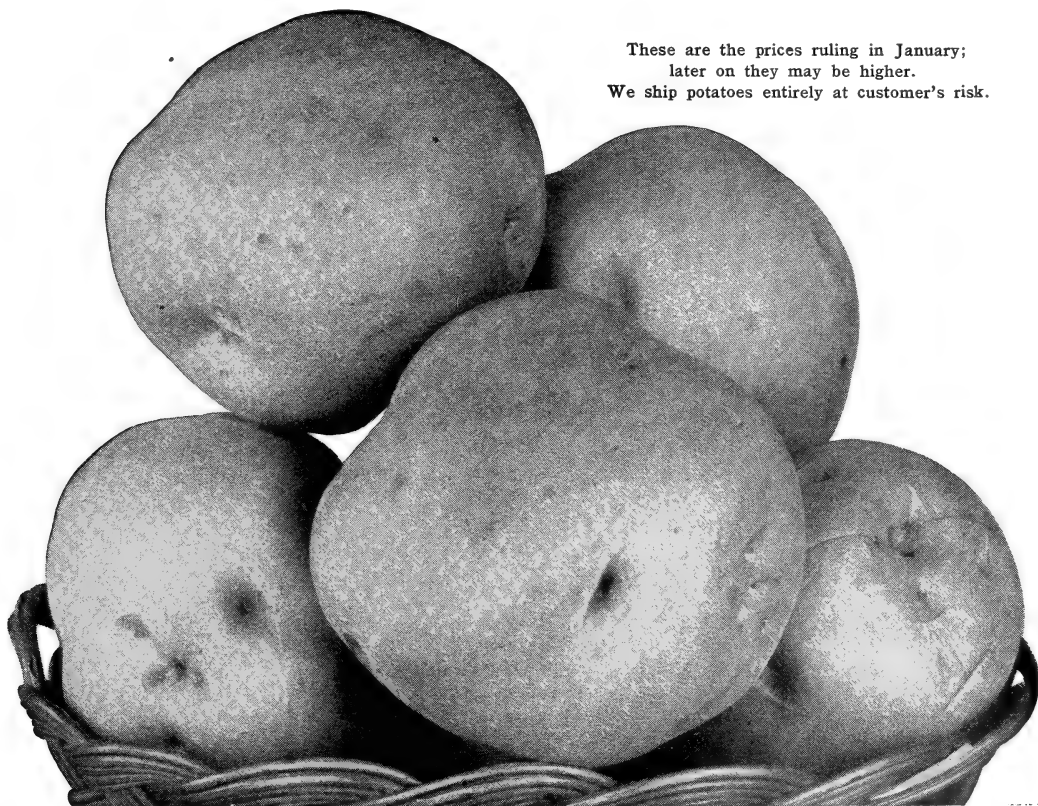
EARLY POTATOES

		Pk.	Bus.	Bbl.
10400 NOROTON BEAUTY. The finest and most productive extra-early Potato $\frac{1}{2}$ pk. grown. Handsomer in appearance and more uniform in shape than any other sort. Its table quality is superb. Original stock. $\frac{1}{2}$ bus. \$1.60. \$0 50 \$0 85 \$2 75 \$6 00				
10410 The Thorburn. We recommend it as one of the best for first crop. It is very early and of the finest quality; also very productive and of good size and form.....	45	70	2 25	5 00
10420 Thorburn's Beauty of Hebron. Slightly flesh-colored skin, with pure white flesh. Very productive and of the finest quality; a first-class early variety.....	40	65	2 00	4 75
10430 Irish Cobbler. Fine white; vigorous grower.....	45	75	2 35	5 50
10440 Bovee. Extra-early; very productive; of fine quality; flesh white.....	45	70	2 25	5 00
10460 Early Rose. Popular market sort; very early; fine quality; very productive	40	65	2 00	4 75
10500 Bliss' Triumph. Very early and very productive; handsome color; resists disease well. Good sort for the South.....	40	65	2 00	4 75

INTERMEDIATE AND LATE VARIETIES

10520 Gold Coin. A splendid main-crop variety of remarkable productiveness and finest table quality; slightly oblong form, light golden skin; flesh pure white, fine-grained; cooks very dry.....	45	70	2 25	5 00
10530 Carman No. 1. This most valuable Potato was introduced by us in 1894, and it is a recognized high-class standard sort the world over. The finest second-early Potato ever offered.....	40	65	2 00	4 75
10540 Uncle Sam. Handsome shape, good size, fine quality.....	40	65	2 00	4 75
10560 Sir Walter Raleigh. Very productive; white flesh of best quality.....	40	65	2 00	4 75
10580 Rural New Yorker. Very few and shallow eyes; pure white skin and flesh; immense yielder; fine table quality.....	40	65	2 00	4 75
10590 Green Mountain. Oval shape, white skin and flesh; excellent; heavy yielder.	40	65	2 00	4 75

These are the prices ruling in January;
later on they may be higher.
We ship potatoes entirely at customer's risk.



NOROTON BEAUTY POTATOES

RADISH

RADIS ET RAVE

Rabanos y Rabanitos

Radies und Rettig

CULTURE.—Sow as soon as the ground is dry in the spring, in rows 8 to 12 inches apart, every week or ten days for a succession, up to the middle of June, after which they are but little used, unless a cool northern spot can be had, where the ground is shaded during part of the day. They should be sown in light, rich soil, as a crisp Radish cannot be produced in heavy soils. Sow also in early fall for late crops and winter use. Sow 8 to 10 pounds to the acre. Radishes should be eaten when quite small; it is a mistake to let them grow too long and too large. This applies particularly to the French Breakfast and small turnip-shaped sorts.

Varieties marked with an asterisk (*) are best suited for market-gardeners.

10680***Turnip, Early Scarlet.**
Very early. The French favorite. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 50 cts.

10690***Turnip, Early Scarlet Forcing.** Crisp; very early. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.

10700 **Turnip, Early Scarlet Forcing, Giant Butter.** Very large; crisp and tender; does not become hollow or pithy. Sow seed deeper than ordinary sorts and thin to stand further apart.



		Pkt.	Oz.	¼lb.	Lb.
		\$0 05	\$0 15	\$0 40	\$1 00
10710*	Turnip, Early Scarlet White-tipped. Very early; for frames or outdoors.	05	10	20	60
10720	“ “ “ “ Forcing.	05	10	25	75
10740	“ “ Deep Scarlet. Very early; crisp.	05	10	20	60
10760	“ “ “ “ Forcing.	05	10	25	75
10770*	“ “ Scarlet Gem, White-tipped Forcing	05	10	20	60
10800	“ “ Triumph (Speckled Beauty). Very prettily striped or mottled scarlet and white; fine forcer.	10	25		
10810*	“ “ Scarlet Globe-shaped. Fine for forcing or open ground.	05	10	20	65
10820	“ “ Crimson Giant. Double the size of the above, yet never pithy. For forcing or outdoors; tender and crisp.	05	10	25	75
10840*	“ “ Non Plus Ultra. Extra-early scarlet forcing.	05	10	25	75
10860	“ “ White, or Box. For forcing; flesh pure white and sweet.	05	10	25	75
10880	“ Large White Summer. Of large size; roundish.	05	10	25	75
10900*	“ Golden Summer. Smooth and bright skin.	05	10	25	75
11000*	French Breakfast. Pink and white; early.	05	10	20	65
11030*	Olive-shaped Golden Yellow. A good sort of very fine quality.	05	10	25	75
11050	“ White. Mild and fine for summer.	05	10	25	75
11060*	“ White Forcing (White Rocket). A forcing strain of above.	05	15	40	1 00
11070*	“ Deep Scarlet. Crisp; very early.	05	10	25	75
11080*	“ Deep Scarlet Forcing (Red Rocket). A forcing strain of the above.	05	10	25	75
11090	“ Deep Scarlet White-tipped.	05	10	25	75
11140	Half-long Deep Scarlet (Paris Beauty). Flesh bright and crisp	05	10	25	80
11150	“ Delicacy. Half-long, smooth, snow-white; fine forcer	05	10	25	75
11160	“ White Forcing. Splendid, pure white; fine forcer	05	10	25	75
11180*	Long Scarlet Short Top. Very long, crisp; for frames or outdoors.	05	10	20	50
11190	“ Brightest Scarlet White-tipped	05	10	20	50
11200*	“ Scarlet Chartier, White-tipped.	05	10	25	75
11210	“ White Naples. Slender; for summer use.	05	10	25	75
11220*	“ White Vienna, or Lady Finger. Crisp and tender in summer.	05	10	25	75
11230	“ Icicle. Pure white, of fine flavor; suitable for forcing.	05	10	25	75

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Radish, continued

	Pkt.	Oz.	¼lb.	Lb.
11240 Long Cincinnati Market. An improved strain of Long Scarlet	\$0 05	\$0 10	\$0 20	\$0 50
11250* " Wood's Frame. Long, red, crisp and good forcer.....	05	10	20	50
11290 Round Scarlet China. Fine for winter or summer. Matures in 6 or 8 weeks	05	10	25	75
11320*White Strasburg Summer. Very large; the German's favorite.....	05	10	20	65
11330* " Stuttgart Summer. Very early and very large.....	05	10	25	75
11380*Winter Scarlet Chinese, Oblong. Very handsome and distinct and keeps well.....	05	10	25	75
11390 " Long Black Spanish. The popular winter sort.....	05	10	25	75
11400 " Half-long Black Spanish. Very fine strain.....	05	10	25	75
11410 " Oval Black Spanish. Shorter and more oval than the above.....	05	10	25	75
11420 " Round Black Spanish. Fine for winter.....	05	15	35	1 00
11440 " Celestial. Very large; white; solid and crisp. Fine winter sort....	05	10	25	75
11450 " California, or Russian Mammoth. Large white winter variety.	05	15	35	1 00
11480 Sakurajima (Mammoth Japan). The largest sort in cultivation. Sow early in rich soil. In Japan it grows as much as 21 inches long and 43 inches in circumference. Thin well to allow of proper development.....	05	20	50	1 50
11510 Raphanus caudatus (Edible-pod Radish; Rat-tailed Radish). Has edible seed-pods; use raw or pickled.....	10	50		

RAMPIONRAIPONCE *Reponche* Rapunzel-Rübe

CULTURE.—Sow in the open ground early in May, either broadcast or in drills 10 inches apart. As the seed is very fine, it merely requires to be pressed firmly into the soil. Thin out the seedlings if they come out too thick, and water frequently during hot weather. The roots may be gathered for use from October onward throughout the winter.

	Pkt.	Oz.	¼lb.	Lb.
11550 Rampion. The roots and leaves are excellent as salad.....	\$0 10	\$0 25	\$0 75	\$2 50

11590 ROQUETTE

CULTURE.—Sow early in spring, in rows, and thin out to 8 or 10 inches. If kept well scuffled and watered, the tart flavor of the leaves is greatly diminished. This flavor is not pronounced in the small leaves, which are used for salad. The flowers, appearing from May to June, have very much the odor of orange blossoms. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. \$1.

RHUBARB

CULTURE.—Sow seed in a coldframe, in a fine, rich, sandy loam, about the first of March, in drills 4 inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in six or eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows 12 inches apart and 12 inches in the row. The following spring transplant again to a permanent location, setting 4 or 5 feet apart each way. In good soil, Rhubarb is ready to use the second year from seed. When roots are set out, plant them 4 or 5 feet apart each way, and keep weeds down. If roots are used, a crop may be had after one season, which is much better than sowing seed where only a few plants for family use are needed. In the fall, the bed should have a thick dressing of coarse manure, to be spaded under in spring.

	Pkt.	Oz.	¼lb.	Lb.
11640 Victoria.....	\$0 05	\$0 15	\$0 40	\$1 25
11660 Crimson Winter.....	10	35	1 00	3 50

11700 ROOTS, of Victoria only. Strong. 15 cts. each, \$1.50 per doz. Transportation charges extra.

11740 SCOLYMUS

The roots resemble a small parsnip, and will keep through the winter like a turnip. It is cultivated exactly like the carrot, except that it should be grown in rows 3 feet apart and 18 inches in the rows. It is eaten boiled like salsify. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

11780 SCORZONERACORZONERE *Escorzonera* Scorzonwurzel

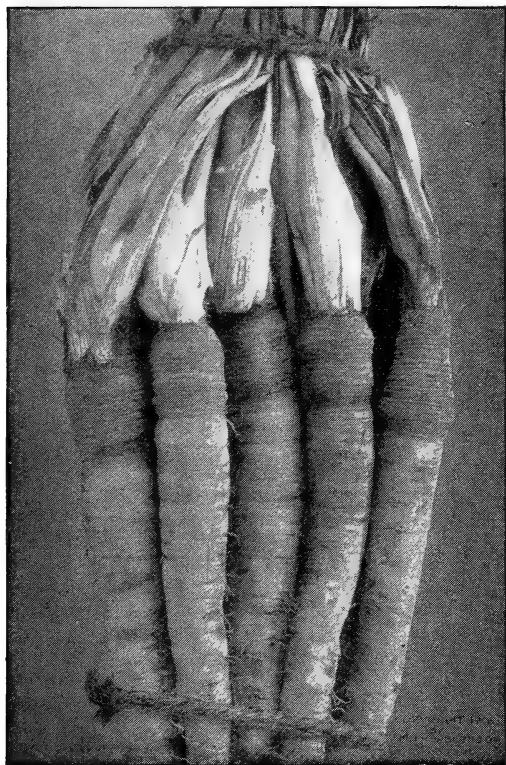
CULTURE.—Cultivate the same as salsify. It is cooked in the same manner, but, on account of being somewhat more difficult to raise, is seldom seen in cultivation. Considered by many superior to salsify. It is also called Black Salsify. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

Under date of July 4, 1911, Mrs. L. H. Piet, of Brooklyn, writes: "Enclosed find — for which please send me the following —. I also want to take this opportunity to express my great satisfaction with the results obtained from Vegetable and Flower Seeds purchased from you earlier in the season."

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound.

SALSIFY, or VEGETABLE OYSTERSALSIFIS *Ostion Vegetal* *Saferwurzel*

CULTURE.—Sow as early as the ground can be worked in the spring, in drills 12 inches apart, 1 inch deep, and thin out to 6 inches in the row. Keep them free from weeds. Cultivate the same as carrots and parsnips. A part of the crop may be left in the ground till spring, when it will be found fresh and plump. The roots are cut into pieces $\frac{1}{2}$ inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like parsnips, and have a sweet and agreeable flavor. Mashed and fried, the flavor is much like that of the oyster. Sow 8 to 10 pounds to the acre.



SALSIFY, THORBURN'S IMPROVED THICK-ROOTED

11850 Mammoth Sandwich Island. Large. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

11880 Thorburn's Improved Thick-rooted. Thick and smooth. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.

SKIRRET (see page 41)**SORREL**OSEILLE *Acedera* *Sauerampfer*

CULTURE.—Sow in spring in drills 18 inches apart, in a rich soil, and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

11930 Garden, Large French. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

11934 " Large Belleville. Very large. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

11950 " Large-leaved German. Pkt. 5c., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.

SPINACHEPINARD *Espinaca* *Spinat*

CULTURE.—Sow in early spring, in drills a foot apart (10 to 12 lbs. to the acre), every two weeks for a succession, and, as it grows, thin out for use. For fall use, sow in August, and for winter crop in September. Cover that which is left out over winter with straw or leaves.

Sow the seeds of New Zealand in hills 2 feet apart each way, three or four seeds in a hill.

12000 Round Viroflay (Thick-leaved). Has very large, thick, dark green leaves; Pkt. Oz. $\frac{1}{4}$ lb. Lb.
the favorite market-gardeners' sort for fall or spring sowing.....\$0 05 \$0 10 \$0 15 \$0 35

12010 Long Season, Thorburn's. Stands longer before running to seed than any other sort except New Zealand..... 05 10 15 35

12020 Round-leaved Flanders. A standard sort..... 05 10 15 35

12040 Lettuce-leaved. Popular French sort..... 05 10 15 35

12050 Curled-leaved Savoy, or Bloomsdale. Large, curled and wrinkled leaves; tender and of finest flavor..... 05 10 15 35

12060 Long-standing (Round Thick-leaved). Dark green; leaves large and thick; very long-standing. Best for spring growing..... 05 10 15 35

12070 Victoria. Extra-dark, black-green color. Two or three weeks later than the ordinary "Long-standing." A fine variety for spring sowing..... 05 10 15 35

12080 Prickly, or Winter. Vigorous and hardy; recommended for fall sowing... 05 10 15 35

12100 Triumph. An improved long-standing sort..... 05 10 15 35

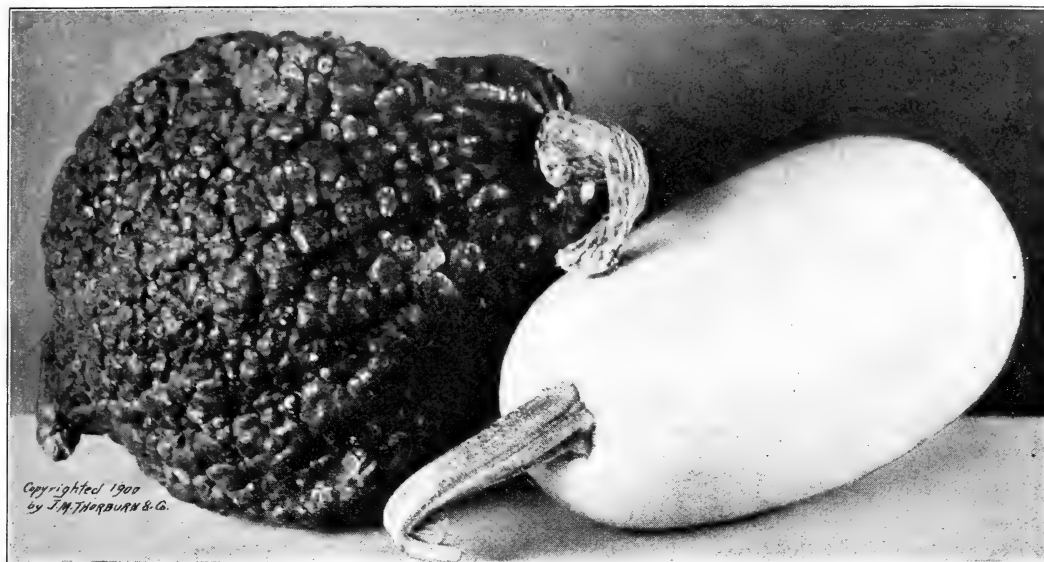
12120 New Zealand Summer. Not a spinach, but used as such. Grows 1 $\frac{1}{2}$ feet high and is very prolific; does well in hot summer weather; valuable for hot climates. Soak the seed in hot water before using..... 05 10 30 80

1690 SWISS CHARD, or SILVER BEET

This is a Beet producing leaves only, of a quality superior to those of the ordinary Beet, and excellent as greens. Cultivate about the same as spinach, by sowing the seed in early spring, in drills about a foot apart. As it grows, thin out for use, and keep clear of weeds if success is desired. Good cultivation will greatly increase the delicacy and tenderness of the leaves. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1. Pk. Oz. $\frac{1}{4}$ lb. Lb.

1700 GIANT LUCULLUS. See *Novelties*\$0 05 \$0 15 \$0 50 \$1 50

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MAMMOTH WARTED HUBBARD SQUASH

VEGETABLE MARROW

SQUASH

COURGE *Calabaza* *Speiße Kürbiß*

CULTURE.—Sow in hills in the same manner and at the same time as cucumbers and melons, the bush varieties 3 to 4 feet apart, the running kinds from 6 to 9 feet apart.

BUSH VARIETIES

	Pkt.	Oz.	½lb.	Lb.
12200 Early Golden Bush. Fine for summer; not so early as the White Bush.	\$0 05	\$0 10	\$0 25	\$0 75
12210 Golden Custard. Mammoth strain of the Golden Bush. A valuable variety; golden yellow flesh; fine quality.	05	10	25	80
12220 Early White Scallop Bush. A good early shipping variety.	05	10	25	75
12224 Mammoth White Scallop Bush. Not so early as the former but it produces larger fruits.	05	10	25	75
12230 Long Island White Bush. An improved strain of Early White Scallop Bush; very prolific.	05	10	25	75
12234 Fordhook White Bush. Oblong fruits; smooth, thin yellow skin; thick flesh; productive.	05	10	30	1 00
12250 Silver Custard. A mammoth strain of Early White Bush. Very large.	05	10	25	75
12270 Summer Crookneck. Yellow fruit; distinct, best for summer.	05	10	25	75
12280 Giant Summer Crookneck. Double the size of the above.	05	10	25	80
12300 Cocozell Bush. A fine variety; oblong shape; skin smooth, dark green, marbled yellow or pale green.	05	15	35	1 00

RUNNING VARIETIES

12400 Bay State. Hard, blue shell; for fall or winter.	05	15	40	1 25
12410 Boston Marrow. Oval; bright orange; flesh yellow and fine.	05	10	30	1 00
12420 Canada Crookneck. Small, well-known winter sort; green skin.	05	15	40	1 25
12430 Cocoanut. Of first-rate quality and very prolific.	05	15	40	1 25
12440 Delicata. Orange-yellow, striped green; small size, but very prolific; it is extra-early, solid, and a good keeper; flesh dry and of fine quality.	05	15	40	1 25
12450 Delicious. Green skin, orange flesh; fine-grained, sweet and dry.	05	15	40	1 25
12460 Essex Hybrid. A good fall and winter sort; fine-grained; rich flavor; very prolific.	05	15	40	1 25
12470 Fordhook. One of the best winter sorts; fine quality.	05	15	40	1 25
12490 Golden Bronze. Skin green; flesh yellow, fine-grained and sweet.	05	15	40	1 25
12500 Hubbard. Well known and liked for late use; an excellent sort for pies.	05	15	40	1 25
12510 " Golden. Same as above, but with orange-red skin.	05	15	40	1 25
12520 " Red. Same as Hubbard, but with bright red skin.	05	20	50	1 50
12530 " Mammoth Warted. Immense size, covered with warts.	05	20	50	1 50

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Squash, Running Varieties, continued

	Pkt.	Oz.	¼lb.	Lb.
12540 Mammoth Chili. Rich orange flesh; grows to an enormous size.....	\$0 05	\$0 15	\$0 40	\$1 25
12570 Orange Marrow. Quite distinct; very early, and of most delicate flavor; suitable for fall and winter.....	05	15	40	1 25
12580 Perfect Gem. Round, white; fine quality; good for fall or winter.....	05	20	50	1 50
12610 Warren. Of superior quality; a type of the Essex Hybrid	05	15	40	1 25

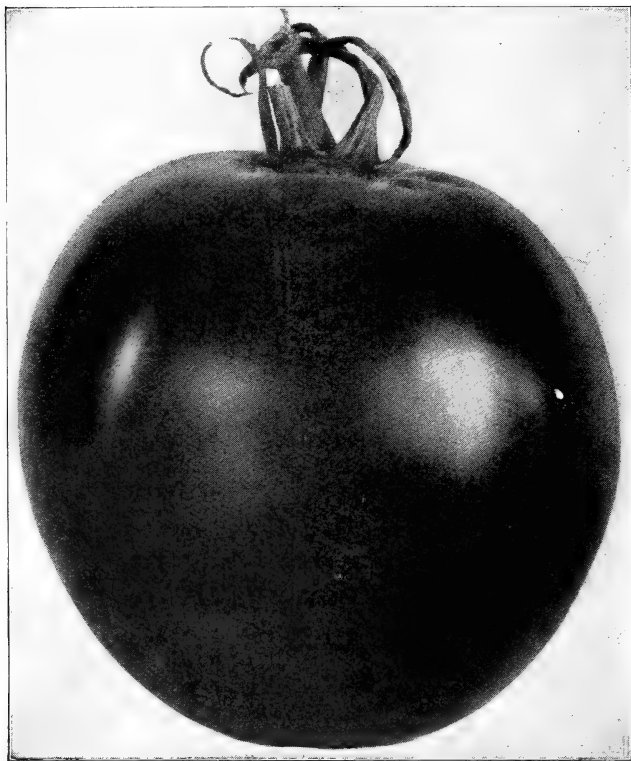
VEGETABLE MARROW

12680 English. The true English strain; cream-color, merging into deep yellow; white flesh; about 9 inches long.....	05	15	40	1 25
12700 Italian (<i>Cocozelle di Napoli</i>). Grows about 20 inches long, with a diameter of 3 or 4 inches. Skin smooth, dark green, marbled yellow or paler green. In Italy it is eaten when quite young.....	05	15	35	1 00

TOMATOTOMATO *Tomates* Liebesapfel

CULTURE.—Sow in a hotbed in early spring, or the seed may be sown in shallow boxes and placed in a window, when one does not wish to have the trouble of making a hotbed. Transplant to the open ground when all danger of frost is past, setting the plants 3 to 4 feet apart each way. Fruit may be had several weeks earlier by sowing seed quite early and transplanting to small pots. Tomatoes that have not ripened at the end of the season may be taken from the vines and placed in empty coldframes, or wrapped in tissue paper, and carefully packed in flat boxes, where a large proportion of them will ripen from time to time—frequently until Christmas.

	Pkt.	Oz.	¼lb.	Lb.
12740 Acme. Medium size; smooth and good; purplish pink.....	\$0 05	\$0 25	\$0 75	\$2 50
12750 Atlantic Prize. Extra-early; smooth, bright red, good size	05	25	75	2 50
12770 Beauty. Large, smooth, dark pinkish red; thick flesh; regular form.....	05	25	75	2 50
12780 Buckeye State. Very large and productive; smooth, uniform, good quality.	15	30	85	3 00
12790 Burpee's Earliest Pink. Produces clusters of smooth, solid, fleshy medium-sized Tomatoes of fine flavor. Very early.....	10	30	85	3 00
12794 CARTER'S SUNRISE. See <i>Novelties</i>	15	50	1 50	5 00
12800 Chalk's Early Jewel. Fine, large, solid, smooth, bright red; similar to Stone; early.....	10	30	85	3 00
12804 COMET. See <i>Novelties</i>	15	40	1 25	4 00



12810 Coreless, Livingston's. Almost round, bright red; very productive. Ripens all over at once and being almost free from green core it is an exceptionally fine slicing sort. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.

12830 Crimson Cushion. Extra large, handsome, bright crimson. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.

12840 Dwarf Champion. Quite distinct, early; fruit like the Acme. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.

12844 DWARF GIANT. See *Novelties*. Pkt. 15 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.

12850 Earliana. Extra early; bright red; smooth. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.

12870 Earlibell. One of the earliest and most prolific red sorts; vigorous grower. Pkt. 10 cts., oz. 35c., ¼lb. \$1, lb. \$3.50.

12880 Enormous. Extra large; very solid; bright red. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.

12900 Favorite. Large, smooth; productive and a good shipper. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

12910 Fordhook First. Smooth, solid; deep pink; medium size; early. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., \$2.50.

We pay postage and express charges on all seeds bought by the packet, ounce or quarter pound.

Tomato, continued

	Pkt.	Oz.	¼lb.	Lb.
12920 Frogmore Selected. Medium size; bright deep red, smooth; very solid and fine flavored. An excellent sort for forcing under glass.....	\$0 10	\$0 40	\$1 25	\$4 00
12930 Freedom. Early, regular and uniform; bright scarlet.....	05	25	75	2 50
12940 Globe, Livingston's. Glossy, rose-color, tinged with purple; very early smooth and of large size; very productive and a good keeper.....	10	35	1 00	3 50
12950 Golden Queen. Smooth, golden yellow; about size and form of Beauty....	05	25	75	2 50
12960 Ignotum. Early for so large a sort; deep red, smooth; very prolific.....	05	25	75	2 50
12970 Imperial. Early, large, smooth, solid; fine quality; color of Beauty.....	05	25	75	2 50
12980 June Pink. A very early market sort; smooth and of a bright pink color; medium size.....	10	40	1 25	4 00
12990 Lemon Queen, Thorburn's. Skin and flesh lemon with a faint rose blush	05	25	75	2 50
13000 Lorillard. Bright glossy red, smooth; of fine flavor and very early.....	10	30	85	3 00
13010 Magnitude. Deep red; solid flesh and fine flavor; very large and very prolific.....	10	35	1 00	3 50
13020 Magnus. Purplish pink, firm flesh; large, uniform; early; productive.....	05	25	75	2 50
13024 Mansfield. Crimson fruit somewhat larger but on the same order as Mikado. It is a rank grower, with long trailing vines and with open foliage. It seems to be better adapted to training up high trellises than any other sort.....	10	30	85	3 00
13030 Matchless. Extra large, smooth and handsome; bright red; very solid....	10	30	85	3 00
13040 Mikado. Purplish red; large, smooth and solid.....	10	35	1 00	3 50
13060 Paragon. Bright red; round; very productive.....	05	25	75	2 50
13070 Perfection. Early, regular and productive; reddish scarlet.....	05	25	75	2 50
13080 Ponderosa. The largest variety in cultivation.....	10	40	1 25	4 00
13090 Quarter-century. Solid; bright scarlet; early; good size; dwarf habit....	05	25	75	2 50
13100 Royal Red. Intense bright red color; good main-crop variety.....	05	20	65	2 25
13110 Ruby Early. Very early; large size; color bright scarlet.....	05	25	75	2 50
13116 Station Upright. Best tree sort; very compact grower.....	10	40	1 25	4 00
13120 Stirling Castle. Small size; very solid, finest flavor, enormously productive; for forcing under glass.....	10	40	1 25	4 00
13130 Stone. Very large; perfectly smooth; fine bright scarlet.....	05	25	75	2 50
13140 Stone, Dwarf. In growth resembling Dwarf Champion, but with much larger fruit. Color bright scarlet, perfect shape; very solid and of the best quality.....	10	35	1 00	3 50
13146 Sutton's Winter Beauty. Very smooth, uniform grower; immense yielder	10	40	1 25	4 00
13170 Table Queen. Large, smooth, round, solid.....	10	30	85	3 00
13180 Terra-cotta, Thorburn's. Distinct in color and flesh; pure <i>terra-cotta</i>	10	30	85	3 00
13190 Thorburn's Earliest. Smooth, uniform grower; immense yielder.....	10	40	1 25	4 00
13194 Thorburn's Long-keeper. Bright red; early and productive; fine keeper.	05	25	75	2 50
13200 Trophy. Very solid; standard late; fine canner; dark scarlet.....	05	20	65	2 25
13210 Trucker's Favorite. Large, smooth and very regular in form. Purplish red; solid.....	05	25	75	2 50

SMALL-FRUITED VARIETIES

For pickling and preserving. Also invaluable for garnishing.

13300 Red Cherry. Small fruits, used for pickles; very handsome.....	10	30	85	3 00
13320 Red Peach. Resembling a peach; for preserves, pickles and exhibition....	10	30	85	3 00
13330 Red Pear. Fruit handsome and solid; fine for preserves.....	10	30	85	3 00
13340 Red Plum. Bright red, round, regular; for pickles.....	05	25	75	2 50
13350 Strawberry (Winter Cherry, or Husk Tomato). Makes fine sauce.....	05	25	75	2 50
13360 Yellow Cherry. For pickles and preserves.....	05	25	75	2 50
13370 Yellow Peach. Beautiful clear yellow; perfectly resembles a peach.....	05	25	75	2 50
13380 Yellow Pear. Handsome, yellow, pear-shaped fruits.....	10	30	85	3 00
13390 Yellow Plum. Round and regular; bright yellow; used for pickles.....	10	30	85	3 00

SKIRRET

CHERVIS Zuckermurzel

CULTURE.—Sow in drills ½ inch deep, a foot apart; thin out to 8 inches in the row; keep down the weeds. Take up the roots before winter, and store in sand or earth. It is a plump, fleshy root, containing a quantity of sugar and is eaten like scorzonera or salsify.

	Pkt.	Oz.	¼lb.	Lb.
13440 Skirret	\$0 10	\$0 30	\$0 85	\$3 00

WITLOOF. See *Chicory*, page 21.

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TURNIP

NAVET *Nabo* Rübe

CULTURE.—For early Turnips, sow as soon as the ground opens in spring. Nos. 13850 to 13900 should be sown from any time in July to first of August; but the other kinds, for winter use, may be sown from the middle of July to the end of August. Turnips are generally sown broadcast, but much larger crops are obtained (particularly of the Rutabagas) by cultivating in drills 18 inches apart, and thinning to 6 inches in the drill. Sow in drills, one pound to the acre; broadcast, two to three pounds to the acre.

WHITE VARIETIES

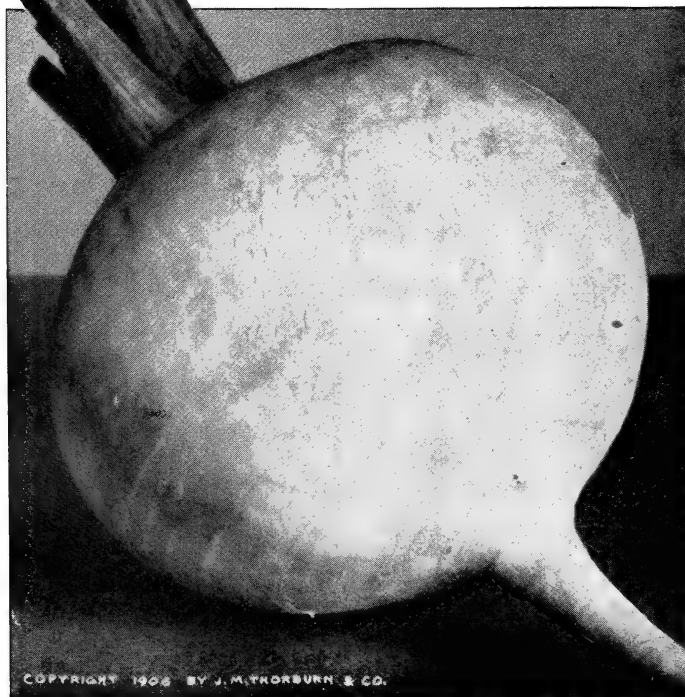
	Pkt.	Oz.	¼lb.	Lb.
13500 Cow Horn. Long white, in shape resembling a cow's horn.....	\$0 05	\$0 10	\$0 30	\$1 00
13510 Early Snowball. Small, and of rapid growth; pure white.....	05	10	20	60
13520 German Teltow. Smallest of all; early; distinct flavor, best for pickling..	05	10	25	80
13530 Globe-shaped Red Top. A standard sort in the New York market.....	05	10	20	60
13540 Globe, Pomeranian White. Good either for table or stock.....	05	10	20	60
13560 Half-long White. For frames or outdoors; tender when young; fine..	05	10	30	1 00
13570 Jersey Lily (White Model). Snow-white; globular.....	05	10	25	75
13580 Kashmyr Scarlet. Small, flat; extra early; pure white flesh of finest quality	05	10	25	75
13590 Milan, Early Purple Crown. Earliest of all; white, with purple top....	05	20	60	2 00
13600 Milan, Early Pure White. Very handsome; pure white; as early as above	05	20	60	2 00
13610 MONTESSON WHITE WINTER. Valuable new sort. <i>See Novelties</i>	10	25	75	2 50
13620 Norfolk White. Globular; late; solid.....	05	10	20	60
13630 Stone, Thorburn Grey. Solid and sweet; good keeper.....	05	10	25	75
13640 Strap-leaf, White. A good early, white, flat sort	05	10	20	60
13650 Strap-leaf Red-top. The popular fall flat sort.....	05	10	20	60
13660 Tankard, Red. A good keeper; long shape	05	10	25	75
13690 White French, or Rock. Very productive and a fine keeper.....	05	10	20	60
13710 White Tankard. Fine keeper; long shape	05	10	25	75

YELLOW VARIETIES

13750 Aberdeen Yellow. Hardy, productive and a good keeper.....	05	10	20	60
13760 Finland, Yellow. Early, and of fine flavor; small, flat; distinct	05	10	25	75
13770 Globe, Yellow. Fine, sweet, light yellow sort.....	05	10	25	75
13780 Golden Ball. Very handsome; keeps fairly well	05	10	25	75
13790 Montmagny. Yellow; flat; purple top.....	05	10	20	60
13800 Stone, Thorburn Yellow. Fine, hard winter sort....	05	10	20	60
13840 Tankard, Yellow. Long-shaped; good keeper; fine quality	05	10	20	60

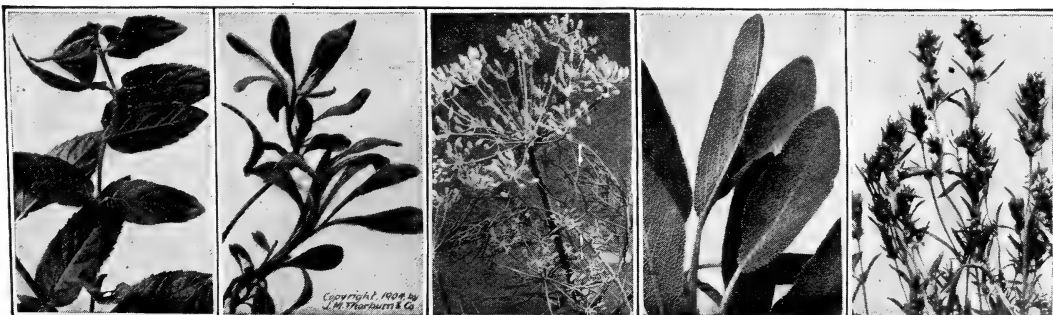
RUTABAGA

- 13850 Thorburn Family. A fine strain for family use; finest quality. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts.
- 13860 Thorburn Purple-top Improved (L. I. Strain). Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.
- 13864 Bangholm Swede. Of large size; spherical roots of regular form. Pkt. 5c., oz. 10 cts., ¼lb. 20 cts., lb. 50 cts.
- 13870 Champion Purple-top. Very large. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 50 cts.
- 13890 Laing's. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.
- 13900 THORBURN'S BEST OF ALL. Fine; round; purple; best of all, as the name implies. Splendid for table and for market. Quality unsurpassed. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.



Seeds of Pot, Sweet and Medicinal Herbs

		Per pkt.	Oz.	Lb.
14000	Agrimony. For medicinal purposes.....	<i>Agrimonia officinalis</i> .. \$0 15	\$1 00	
14010	Angelica, Garden. For flavoring wine and cakes.....	<i>Archangelica officinalis</i> .. 05	25	\$2 50
14020	Anise. Seeds aromatic and carminative.....	<i>Pimpinella anisum</i> 05	10	75
14030	Arnica. Tincture of Arnica is made from it.....	<i>Arnica montana</i> 15	2 00	
14040	Balm. For culinary purposes.....	<i>Melissa officinalis</i> 05	25	2 50
14050	Basil, Sweet. Culinary herb used for flavoring soups, etc.	<i>Ocimum basilicum</i> 05	15	1 50
14060	" Dwarf or Bush. Culinary herb.....	<i>Ocimum minimum</i> 05	15	1 50
14070	Belladonna. Is used for medicine.....	<i>Atropa Belladonna</i> 10	45	4 50
14080	Bene. The leaves used for dysentery.....	<i>Sesamum orientale</i> 05	10	75
240	Borage. Leaves used as a salad.....	<i>Borago officinalis</i> 05	10	90
14100	Caraway. For sowing. Is used in flavoring liquors and bread.....	<i>Carum Carui</i> 05	10	60
14110	Catnip. Has medicinal qualities.....	<i>Nepeta cataria</i> 10	35	3 50
14120	Chamomile	<i>Matricaria Chamomilla</i> .. 15	2 00	
14130	Coriander. Seeds aromatic. For sowing.....	<i>Coriandrum sativum</i> 05	10	40
14134	" " " For flavoring.....	<i>Coriandrum sativum</i> 05	10	30
14140	Cumin	<i>Cuminum Cuminum</i> 05	10	60
14150	Dill. For sowing. Seeds used for flavoring vinegar.....	<i>Anethum graveolens</i> 05	10	80
14160	Elecampane. Has tonic and expectorant qualities.....	<i>Inula Helenium</i> 05	15	1 25
14170	Fennel, Sweet. Seeds aromatic; for flavoring.....	<i>Anethum Foeniculum</i> 05	10	50
14180	" Florence. In flavor resembling celery.....	<i>Anethum Foeniculum</i> 05	10	75
14190	Foxglove, Purple. Has medicinal qualities.....	<i>Digitalis purpurea</i> 05	15	1 25
14200	Fumitory. A medicinal herb.....	<i>Fumaria officinalis</i> 10	1 50	
14210	Hemlock. Has medicinal qualities; poisonous.....	<i>Conium maculatum</i> 10	80	
14220	Henbane. Has medicinal qualities; poisonous.....	<i>Hyoscyamus niger</i> 05	15	1 50
14230	Horehound. Has medicinal qualities.....	<i>Marrubium vulgare</i> 05	20	2 00
14240	Hyssop. Has medicinal qualities.....	<i>Hyssopus officinalis</i> 05	15	1 50
14250	Lavender. True. For oil and distilled water.....	<i>Lavandula vera</i> 10	60	6 00
14260	Lavender. Possessing qualities as above in a lesser degree.....	<i>Lavandula spica</i> 05	20	2 00
14270	Marshmallow. Has medicinal qualities.....	<i>Althaea officinalis</i> 10	30	3 00
14280	Marigold, Pot. Single. For medicinal purposes.....	<i>Calendula officinalis</i> 05	15	1 25
14290	Marjoram, Sweet. Is used in seasoning.....	<i>Origanum Marjorana</i> 05	15	1 50
14294	" Pot. Is used in seasoning.....	<i>Origanum Onites</i> 10	80	
14300	Mint. Curled Mint..... Pkt. of 200 seeds, 25 cts.	<i>Mentha crispa</i>		
14310	" Peppermint..... Pkt. of 200 seeds, 25 cts.	<i>Mentha piperita</i>		
14320	Pennyroyal. Has medicinal qualities.....	<i>Hedeoma pulegioides</i> 10	80	8 00
14330	Rosemary. Yields an aromatic oil and water.....	<i>Rosmarinus officinalis</i> 10	30	3 00
14340	Rue. Said to have medicinal qualities.....	<i>Ruta graveolens</i> 10	30	3 00
14350	Saffron. Is used in medicine, and also in dyeing.....	<i>Carthamus tinctorius</i> 05	10	75
14360	Sage, Broad-leaf. A culinary herb; also used in medicine.....	<i>Salvia officinalis</i> 05	15	1 25
14370	" Red. Is used as a culinary herb; also in medicine.....	<i>Salvia Horminum</i> 05	10	75
14380	" Purple. Is used as a culinary herb; also in medicine.....	<i>Salvia Horminum</i> 05	10	75
14390	Savory, Summer. Is used as a culinary herb.....	<i>Satureja Hortensis</i> 10	30	3 00
14400	" Winter. Is used as a culinary herb.....	<i>Satureja montana</i> 10	30	3 00
14410	Tansy. Generally used in bitters.....	<i>Tanacetum vulgare</i> 10	35	3 50
14420	Tarragon. True. Does not produce seed. Roots in fall and spring..... 35 cts. each, \$3.50 doz.	<i>Artemisia Dracunculus</i> ..		
14430	Thyme, Broad-leaved English. Is used as a seasoning.....	<i>Thymus vulgaris</i> 10	45	4 50
14440	" French.....	<i>Thymus vulgaris</i> 10	45	4 50
14450	Woodruff (Waldmeister, or Maitrank).....	<i>Asperula odorata</i> 10	60	
14460	Wormwood. Has medicinal qualities.....	<i>Artemisia Absinthium</i> .. 05	25	2 50



PEPPERMINT

LAVENDER

FENNEL

SAGE

SUMMER SAVORY

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All 10 cts. per pkt. Not less than 10 cts.' worth sold

	Per oz.	Lb.
14610 Climax. A cross between Burley and Sterling; fine bright variety.....	\$0 30	\$3 00
14620 Connecticut Seed-leaf. The popular sort, used for cigar wrappers	25	2 50
14622 Conqueror. Superb bright yellow.....	30	3 00
14626 Gold Finder. A cross between Yellow Oronoka and White Burley.....	30	3 00
14628 Gooch, Long-leaf Improved. Fine for sandy soils.....	30	3 00
14630 Havana. Seed gathered for us from the celebrated plantations of the "Vuelto de Abajo".	40	4 00
14634 Hester Improved. Yellow; fine for cigars. Adapted to a greater variety of soils and to a wider range of latitude than most other yellow sorts.....	30	3 00
14640 Honduras. A mahogany variety, producing the very highest quality of tobacco of this type. A healthy and vigorous grower.....	30	3 00
14644 Hyco. Fine variety; easiest of all cured yellow.....	30	3 00
14650 Kentucky Yellow.....	30	3 00
14660 Oronoka White Stem. From Yellow Oronoka, which it resembles.....	30	3 00
14664 " Yellow. A reliable old yellow variety.....	30	3 00
14668 " Sweet.....	30	3 00
14670 Pennsylvania Seed Leaf. A first-class standard cigar variety	30	3 00
14680 Persian Rose. Fine; may be relied upon to make fine cigars.....	35	3 50
14690 Pryor, Blue. The genuine James River favorite.....	30	3 00
14700 " Yellow. Preferred by many for brights; succeeds where the other yellow sorts fail.	30	3 00
14710 Safrano. Rich saffron-yellow color; soft silky texture and fine flavor.....	30	3 00
14720 Sterling. The newest and the brightest of the yellow type, and the earliest to ripen....	30	3 00
14724 Sumatra. Home-grown; well-known sort; needs no description.....	35	3 50
14730 Tuckahoe. Extra-fine, long leaf; fine for wrappers.....	30	3 00
14734 Turkish. Home-grown. Needs no description.....	80	8 00
14736 " Lataki. Imported seed.....	50	5 00
14740 Virginia Oak Hill Yellow. Resembles White Burley in color and Oronoka in shape and habit. Unsurpassed in delicacy of fiber.....	30	3 00
14750 Virginia "One-sucker." Large leaf; wide, lance-shaped; rather coarse than fine.....	30	3 00
14756 White Burley, Improved.....	30	3 00
14760 Yellow Mammoth. Large yielder.....	30	3 00

BIRD SEEDS, ETC.

Prices variable. Bags and transportation charges extra

	Per lb.	100 lbs.		Per lb.	100 lbs.
Canary Seed. Best grade.....	\$0 10	\$8 00	Millet, White French.....	\$0 12	\$8 50
Canary Seed, Mixed.....	10	8 00	Rape, English.....	10	8 00
Hemp.....	10	8 00	" German.....	10	8 00
Sorghum, Mixed (Kaffir Corn). For			Rough Rice.....	10	7 50
pigeons, etc. 25 lbs., 90c., 50 lbs. \$1.50		2 50	Gravel for Cages..... per qt., 6 cts....		
Lettuce Seed.....	20	15 00	Cuttle-fish Bone.....	35	
Maw, Blue Poppy.....	20		Sunflower Seed for Parrots.....	10	8 00
Millet, Golden.....	10	6 00	Teasels.....	35	

VEGETABLE PLANTS

We shall have some of the standard sorts at their proper seasons

ESCULENT PLANTS AND ROOTS

	Doz.	100	1,000
Asparagus Roots. Plant either in fall or spring.			
Conover Colossal. Two years old; in bundles of 50	50	for 60 cts...	\$1 00 \$7 00
Palmetto. Two years old, in bundles of 50	50	for 60 cts...	1 00 7 00
Columbian Mammoth. Two years old	50	for 60 cts...	1 00 7 00
Chive Plants. Plant early in spring.....		per bunch, 25 cts...	
Cinnamon Vine Roots (<i>Dioscorea Batatas</i> , Chinese Yam).....	each, 6 cts...	\$0 50	3 00
Horse-radish Roots. Cut in pieces. Plant in spring	20	75	
"Maliner Kren." In bundles of 50.....		60 cts. for 50...	1 00 7 00
Artichoke Roots, Jerusalem.....		per qt., 25c...	
" " Globe.....		each, 15 cts...	1 50
Rhubarb Roots. Strong.....		each, 15 cts...	1 50
Tarragon Plants (<i>Estragon</i>).....		each, 35 cts...	3 50

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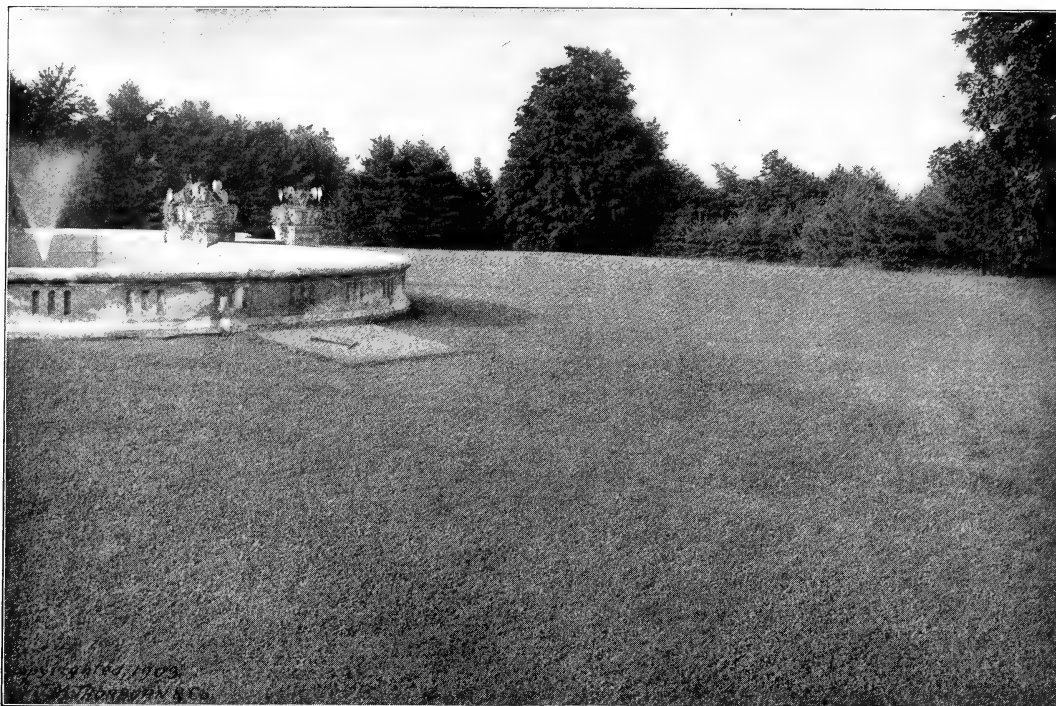
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About Lawns and Lawn Grass Seed

FORMATION OF LAWNS FROM SEED

The ground should be thoroughly drained and well prepared. The soil ought not to be too rich, as a rapid growth is not wanted in the grasses of a lawn; but the surface should be as much alike in quality as possible and thoroughly pulverized. *After sowing, the ground should be rolled and cross rolled in order to press the seed firmly into the soil,* and ten days or so thereafter a light application of Thorburn Lawn Fertilizer mixed with an equal quantity of good loam or sand will serve to stimulate the growth of the young grasses. The best time to apply this is just before a rain, the idea being to have the fertilizer washed into the roots. The proper time to sow grass seed depends, of course, upon the latitude. In the central and eastern states from March 15 to the middle of May is the best time, but in favorable seasons the sowing may be done up to July 1. Seed may also be sown in the fall, from the latter part of August to the end of September. The sowing should be done when the ground is moist, or before an expected rain, and a subsequent rolling is always advisable. As to weeds in newly made lawns, it may not be generally known, but many weed seeds actually lie dormant in the ground for six or seven years and will germinate and make their appearance when the soil is turned up. The annual wild grasses, such as Crab grass or Summer grass, must be pulled up by the roots before they ripen their seed in fall. This is the only sure way to rid lawns of these pests.

Rolling.—As soon as the frost is out of the ground in the spring, the land should be gone over with a heavy roller. Winter frosts loosen the soil, and rolling is necessary to compress it again. Roll frequently.

Mowing.—All turf-forming grasses are improved, both in vigor of root-growth and in fineness of texture, by frequent mowings. It is impossible to say just how often the grass should be mown, as that depends upon the rate at which it grows. Too close cutting should be guarded against, however, especially during the hot summer months, when the roots require some top-growth to protect them from the burning sun. A good top-growth is also necessary to protect the roots from severe winter frosts.

To Grass a Bank or Terrace.—For each square rod, take a pound of Terrace Lawn Grass Seed and mix it thoroughly with 6 cubic feet of good, dry garden loam; place in a tub, and add liquid manure, diluted with about two-thirds of water, so as to bring the whole to the consistency of mortar. The slope must be made perfectly smooth, and then well watered, after which the paste should be applied.

It is a good plan to sow on good land, in any out-of-the-way place, strips for sod to be used for patching poor parts of the lawn, or for grass borders, etc. The best mixture of seed for this purpose is *Agrostis stolonifera*, *Cynosurus cristatus* and *Poa pratensis*.

N. B.—We shall be pleased to make special mixtures for particular purposes or to suit exceptional conditions of soil, situation or climate. We invite consultation about any difficulties experienced in getting the right turf for any purpose or in any place.

Lawn Grass Seed Mixtures

The Thorburn Lawn Grass

Practically all the finest lawns in America were produced from this mixture. It is composed exclusively of permanent grasses that make a finer and thicker turf the older they become, and yet give a rich green sward in three or four weeks from the time of sowing. The ordinary Central Park Lawn Grass Seed as usually sold is not to be compared with this superior mixture. It should be sown at the rate of 4 to 5 bushels to the acre (15 pounds to the bushel). Per qt., 25 cts.; 2 qts., 45 cts.; $\frac{1}{2}$ pk. 75 cts.; pk., \$1.20; bus., \$4.

Thorburn's Lawn Grass for the South

A mixture of grasses that stand extremes of heat and drought well and that are therefore peculiarly adapted for southern lawns. Per qt., 35 cts.; 2 qts., 60 cts.; $\frac{1}{2}$ pk., \$1; pk., \$1.75; bus. of 20 pounds, \$6.50.

Thorburn's Special Lawn Grass Mixture

This extra-choice mixture contains a large proportion of the finer and more expensive species, such as Rhode Island Bent, Crested Dog's-tail, Creeping Bent, in extra-heavy samples, bringing the weight up to 20 pounds per bushel, and producing a turf of the closest and finest texture possible. Per qt., 30 cts.; 2 qts., 55 cts.; $\frac{1}{2}$ pk., 90 cts.; pk., \$1.60; bushel of 20 pounds, \$5.50.

Thorburn's Grass Mixture for Shady Spots on Lawns

A mixture of grasses that thrive in shaded situations, under trees, or close to walls where there is little sun. Per qt., 40 cts.; 2 qts., 70 cts.; $\frac{1}{2}$ pk., \$1.25; pk., \$2; bus. of 22 pounds, \$7.

Thorburn's Lawn-restoring Grass Seed

A mixture of grasses peculiarly suited to take firm hold and grow quickly on hard, worn-out, or burned spots. The best time to re-sow them is very early in spring, but seed may also be sown in the fall from first of September to first of October. Some **Lawn-restoring Grass Seed** should also be sown before every summer rain on thin places. Per qt., 35 cts.; 2 qts., 60 cts.; $\frac{1}{2}$ pk., \$1; pk., \$1.75; bushel of 20 pounds, \$6.

Thorburn's Lawn Grass Mixture for the Seashore

A mixture of fine grasses peculiarly suited to sea-side lawns. Per qt., 30 cts.; 2 qts., 50 cts.; $\frac{1}{2}$ pk., 85 cts.; pk. \$1.50; bushel of 18 pounds, \$5.

Terrace Lawn Grass Seed

A mixture of fine stoloniferous grasses peculiarly adapted to terraces. Qt. 35 cts., 2 qts. 60 cts., $\frac{1}{2}$ pk. \$1, pk. \$1.75, bus. of 20 lbs. \$6.

Also Permanent Grass Seed for Golf-Links, Tennis-Courts, Polo-Grounds, Etc.

We have devoted much attention to the seeding and preservation of golf-links, tennis-courts, and polo-grounds, and offer the following mixtures, *which have been used on most of the finest links, etc., in the country*, with very satisfactory results.

Polo-Grounds Mixture

A mixture of fine-leaved and deep-rooting grasses, forming a strong and lasting turf that will stand hard usage. Per bushel of 20 pounds, \$4.

Tennis-Court Mixture

A mixture of extra-fine grasses peculiarly adapted to tennis-courts. This mixture will make a firm, green and lasting turf of the finest texture, that will improve with tramping. Per qt., 35 cts.; 2 qts., 60 cts.; $\frac{1}{2}$ pk. \$1; pk., \$1.75; bushel of 20 pounds, \$6.

Fair-Green Mixture

For the grounds in general. Per bushel of 20 pounds, \$4.

Putting-Green Mixture

Far superior to any other similar mixture offered

Our own special formula as furnished all the leading golf clubs in America. A mixture of extra-fine *highest-grade* grasses, that will make a close, firm, green and lasting turf, which will improve with tramping. Per qt., 40 cts.; 2 qts., 70 cts.; $\frac{1}{2}$ pk., \$1.25; pk., \$2; bushel of 24 pounds, \$7.

Grass Mixture for Railroad Banks, Etc.

A mixture of grasses with long, interlacing, matting roots that will bind steep embankments, gravelly or sandy slopes, etc., preventing washouts by rainstorms and covering with permanently green turf. Per qt., 30 cts.; 2 qts., 50 cts.; $\frac{1}{2}$ pk., 80 cts.; pk., \$1.25; bushel of 18 pounds, \$4.50.

TUCKER'S MAGNET WORM ERADICATOR. Will bring up worms immediately. Used with absolute success by most of the leading golf and tennis clubs in the United States and Canada. Two gals. (making 200 gals. diluted) sufficient for 60 x 60 ft. green. In 1-gal. kegs, making 100 gals., \$2 per gal.; 5-gal. kegs, making 500 gals., \$1.85 per gal.; 10-gal. kegs, making 1,000 gals., \$1.75 per gal. *Net cash.*

TUCKER'S MAGNET ANT DESTROYER. In 5-lb. boxes only, at 50 cts. per lb.

STERLINGWORTH LAWN COMPOUND. A dry powder to be sprinkled over lawn and weeds when dry. It adheres to the broad, rough surfaces of plantains and dandelions and all other weeds having broad, hairy leaves, quickly destroying them. Water thoroughly twenty-four hours after application; this dissolves the chemical forming the killer which when so dissolved becomes a strong and quick fertilizer, giving the grass a beautiful rich green color. Two applications will generally clean out the weeds on the most heavily infested lawn, whilst one will often do it if carefully applied. One pound will dress 100 to 200 square feet according to condition of lawn. Five-lb. cans 60 cts., 10-lb. cans \$1, 50-lb. kegs \$4, 100-lb. kegs \$7.50. *Net cash.*

Grass Mixtures for Meadows and Pastures

It is a well-ascertained fact that a thicker and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two. For every different kind and condition of soil there are grasses that are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of spring until winter sets in there is no time when one species or another is not at its best. Grass seed may be sown either early in spring or in fall from first of September to middle of October in this latitude.

For about a hundred years our house has made a specialty of grasses. We were probably the first to introduce to this country, for commercial distribution, the many valuable natural and cultivated foreign species that now take such an important part in our agricultural economy. The formation of permanent pastures and meadows has, for many years, been a subject of careful study with us, and the following formulæ for seeding grass-lands have received universal recognition. *The quantities given are the minimum, and may often be increased to advantage.*

MEADOW MIXTURES FOR ONE ACRE

No. 1. On Good Land, neither Too Dry nor Too Wet

10 lbs. Red Top.
 $\frac{1}{2}$ " Perennial Sweet Vernal.
 2 " Tall Meadow Oat Grass.
 3 " Orchard Grass.
 2 " Hard Fescue.
 4 " Sheep's Fescue.
 10 " Perennial Rye Grass.
 6 " Timothy.
 2 " Red Clover
 $\frac{1}{2}$ " Alsike Clover.

40 lbs. \$4 per bushel of 20 lbs.
Sow 2 bushels to the acre

No. 2. On High and Dry Land

10 lbs. Red Top.
 4 " Tall Meadow Oat Grass.
 2 " Meadow Brome Grass.
 $2\frac{1}{2}$ " Crested Dog's-tail.
 4 " Orchard Grass.
 2 " Hard Fescue.
 6 " Sheep's Fescue.
 1 " Meadow Soft Grass.
 5 " Timothy.
 1 " Rough-stalked Meadow.
 2 " Red Clover.
 $\frac{1}{2}$ " White Clover.

40 lbs. \$4.50 per bushel of 20 lbs.
Sow 2 bushels to the acre

No. 3. On Wet Late Land

9 lbs. Red Top.
 $2\frac{1}{2}$ " Creeping Bent Grass.
 6 " Orchard Grass.
 2 " Tall Meadow Oat Grass.
 3 " Meadow Fescue.
 1 " Tall Fescue.
 1 " Meadow Soft Grass
 10 " Perennial Rye Grass.
 4 " Timothy.
 1 " Red Clover.
 $\frac{1}{2}$ " Alsike Clover.

40 lbs. \$4 per bushel of 20 lbs.
Sow 2 bushels to the acre

PASTURE MIXTURES FOR ONE ACRE

No. 4. On Good Land, neither Too Dry nor Too Wet

2 lbs. Tall Meadow Oat Grass.
 8 " Red Top.
 6 " Orchard Grass.
 4 " Sheep's Fescue.
 2 " Hard Fescue.
 1 " Meadow Soft Grass.
 9 " Perennial Rye Grass.
 1 " Meadow Foxtail.
 2 " Kentucky Blue Grass.
 2 " Timothy.
 2 " Red Clover.
 1 " White Clover.

40 lbs. \$4.50 per bushel of 20 lbs.
Sow 2 bushels to the acre

No. 5. On Dry Land

3 lbs. Red Top.
 3 " Creeping Bent Grass.
 $4\frac{1}{2}$ " Tall Meadow Oat Grass.
 1 " Meadow Brome Grass.
 5 " Orchard Grass.
 2 " Hard Fescue.
 7 " Sheep's Fescue.
 2 " Timothy.
 10 " Perennial Rye Grass.
 $1\frac{1}{2}$ " Red Clover.
 1 " White Clover.

40 lbs. \$5 per bushel of 20 lbs.
Sow 2 bushels to the acre

No. 6. On Wet Land

8 lbs. Red Top.
 7 " Orchard Grass.
 2 " Meadow Fescue.
 1 " Tall Fescue.
 3 " Meadow Soft Grass.
 10 " Perennial Rye Grass.
 1 " Meadow Foxtail.
 2 " Timothy.
 1 " Rough-stalk Meadow Grass.
 3 " Kentucky Blue Grass.
 1 " Alsike Clover.
 1 " White Clover.

40 lbs. \$4.50 per bushel of 20 lbs.
Sow 2 bushels to the acre

The various grasses used in the above mixtures are fully described on the following pages.

We are always glad to make up Special Mixtures, and are pleased to answer inquiries as to the best grasses for different purposes and for sowing on various soils under varying climatic conditions.

Grass Seeds

We desire to call particular attention to the fact that Grass Seeds are sold in the trade by sample, and each sort is divided into three or four grades of quality, according to purity, germination and weight. The price of the best grade is often double that of the ordinary. The Grass Seeds here offered by us are in every case the **VERY HIGHEST GRADE**.

25 lbs. and up of any one sort at the 100-lb. rate. Not less than one pound of any one sort sold

 The prices are subject to change as the season advances. The weight per bushel is average actual weight



AGROSTIS VULGARIS

AGROSTIS CANINA (*Rhode Island Bent Grass*).

Resembles Red Top (*A. vulgaris*, described below), but is of dwarfer habit, with shorter and narrower leaves. It makes a beautiful, close, fine turf, and is one of the very best grasses for lawns in mixture with other sorts. It adapts itself to almost any soil, rich and moist, or dry, sandy and sterile. It is a native of Europe, but has been cultivated in our eastern states for many years. 60 lbs. of seed to the acre is recommended for lawns. Height, 1 to 2 feet. (16 lbs. to the bushel.) Per lb. 37 cts.; 10 lbs. \$3.50; 100 lbs. \$33.

AGROSTIS STOLONIFERA (*Creeping Bent*, or *Florin*).

The distinctive feature of this species is, as the name implies, its compact, creeping, rooting stems. It is of rapid growth and spreading habit, and the stoloniferous roots form a strong, enduring turf that is positively improved by constant trampling. Being of fine texture, it is most valuable for lawns and putting greens. If sown alone, 60 lbs. to the acre should be used. (18 lbs. to the bushel.) Per lb. 37 cts.; 10 lbs. \$3.50; 100 lbs. \$33.

AGROSTIS VULGARIS (*Red Top*; *Herd's Grass*).

A very hardy, native perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to quite dry situations, and stands our hot climate admirably. It is, perhaps, the most permanent grass we have,

Agrostis vulgaris, continued

and it enters largely into the composition of our best natural pastures. It remains green for the greater part of the year, and its long, trailing stems form a very close, matting turf that is not affected by trampling. The seed, as usually sold, weighs 18 to 20 lbs. to the bushel, in the chaff, and 4 bushels of it is required to sow an acre. Per lb., 19 cts.; 10 lbs., \$1.75; 100 lbs., \$16.

(The absolutely clean or "fancy" seed offered weighs about 36 lbs. to the measured bushel, 35 lbs. of it is sufficient to sow an acre.)

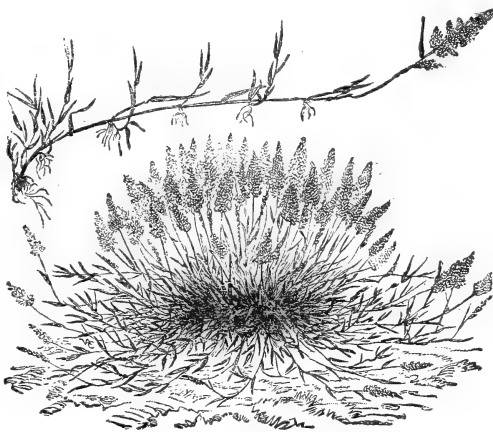
Fancy Heavy Red-top Grass. Absolutely clean and free from chaff. About 35 lbs. to the acre. (36 lbs. to the-bushel.) Per lb., 28 cts.; 10 lbs., \$2.65; 100 lbs., \$25.

AIRA CÆSPITOSA (*Haddock Grass*). A coarse grass, preferring stiff and marshy bottoms and thriving in moist and shady woodlands. In England door-mats are formed of it by the cottagers. 30 lbs. to the acre. (18 lbs. to the bushel.) Per lb., 23 cts.; 10 lbs., \$2; 100 lbs., \$18.

AIRA FLEXUOSA (*Wood Hair Grass*). Delights in high and rocky hills; it is of little agricultural value except for sheep pasture. 30 lbs. to the acre. Per lb., 20 cts.; 10 lbs., \$1.75; 100 lbs., \$15.

ALOPECURUS PRATENSIS (*Meadow Foxtail*).

One of the best permanent pasture grasses for rich, moist soil. Its chief characteristics are its earliness and its faculty of standing high summer heats without burning. It prefers moist, low grounds, but it accepts drier situations, and makes an earlier spring verdure than any other variety. Sow only in connection with other grasses, 3 to 4 lbs. to the acre; if sown alone, 25 lbs. to the acre. Height, 2 to 3 feet. Per lb., 43 cts.; 10 lbs., \$4; 100 lbs., \$35.

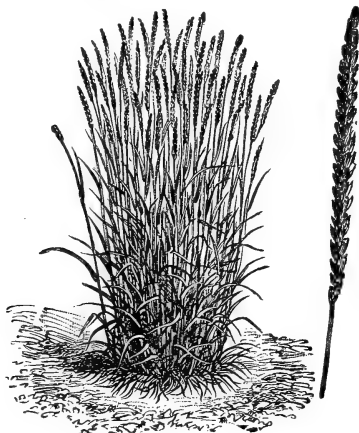


AGROSTIS STOLONIFERA

AMMOPHILA ARUNDINACEA (*Beach Grass*).

Valuable on the sandy seashore, canal and railway banks, etc. Its strong, creeping, matting roots bind the drifting sand into natural embankments against the action of winds and waves. This grass is usually propagated by transplanting in the fall. Where it is necessary to use seed, it should be sown in spring, and ground covered with brush to hold the seed in place until it has taken firm hold. Height, 2 to 3 feet. Per lb., 70 cts.; 10 lbs., \$6.50; 100 lbs., \$60.

ANTHOXANTHUM ODORATUM (*True Perennial Sweet Vernal Grass*). For a mixture with pasture grasses, it is valuable on account of its vernal growth, and also for continuing to throw up root foliage until late in the autumn. For meadows, its chief merit is the fragrant odor which the leaves emit when partially dried, thus sweetening hay. It is a vegetable condiment, rather than a grass of much nutritive value. From 2 to 3 lbs. to the acre, when mixed with other grasses. Per lb., 75 cts.; 10 lbs., \$7.



CYNOSURUS CRISTATUS

ANTHOXANTHUM ODORATUM PUELLI

(*Annual Sweet Vernal Grass*). Much smaller than the perennial, and of much less value, lasting one year only. 20 to 25 lbs. to the acre. Per lb., 28 cts.; 10 lbs. \$2.65; 100 lbs., \$25.

AVENA ELATIOR (*Tall Meadow Oat Grass*).

Most valuable for pasture on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle early and late. For hay, it may be cut twice a year, and for green soiling it may be cut four or five times in favorable seasons. It is very hardy, and withstands extreme drought and heat and cold. It is very valuable for our southern states, where it is extensively cultivated for winter grazing and for hay. Height, 2 to 4 feet. 50 lbs. to the acre. Per lb., 35 cts.; 10 lbs., \$3; 100 lbs., \$28.

AVENA FLAVESCENS (*True Golden Oat Grass*).

Will not thrive well when sown alone, but with other species it becomes desirable for dry meadows and pastures. About 25 lbs. to the acre. Per lb., \$1.

BEACH GRASS. See *Ammophila arundinacea*.

BERMUDA GRASS (*Cynodon dactylon*). A most valuable grass for our southern states, both for pasture and lawns. It is of dwarf habit, with long, creeping stems rooting at the joints and covering the ground with a matting of fine turf, which no amount of trampling will impair. It is

Bermuda Grass, continued

also useful for binding drifting sand and for steep embankments subject to wash. When established it is difficult to eradicate, and is therefore unsuitable for temporary pastures. It requires heat and moisture to start it. As it cannot endure frost, it is of no value north of Virginia. It thrives in the poorest and sandiest soil, and resists extreme drought and intense tropical heat. It should be sown at the rate of 15 lbs. to the acre. Crop doubtful. About \$1.50 per lb.

BLUE GRASS, Canada. See *Poa compressa*.

" " **English.** See *Festuca pratensis*.

" " **Kentucky.** See *Poa pratensis*.

BROMUS INERMIS (*Awnless, or Smooth Brome Grass*). An erect perennial, 3 to 5 feet high, native of Hungary, where it is considered one of the best hay grasses, yielding a good return in the arid and silicious soil. The nutritive quality of its hay, however, is generally inferior to that of our standard native sorts, so that we should recommend it only for dry, arid soils where the better and more delicate grasses would not grow. It is strongly stoloniferous, its creeping rootstocks spreading rapidly under ground and giving out new plants. It is on this account undesirable for temporary meadows, being difficult to eradicate when once established. Sow 35 to 40 lbs. to the acre. Per lb., 22 cts.; 10 lbs., \$2; 100 lbs. \$18.

BROMUS MOLLIS (*Soft Chess*). This annual grass is so called because its stems and leaves are downy and soft to the touch. In good soil it rapidly produces an abundant forage, but of poor quality and little relished by cattle. It can be recommended only for poor, sandy soil, where grasses of better quality will not grow. 30 lbs. to the acre. Per lb., 22 cts.; 10 lbs., \$1.80; 100 lbs., \$16.

BROMUS PRATENSIS (*Meadow Brome Grass*).

A hardy perennial, 2 to 3½ feet high, much used in mixtures for meadows, both for mowing and pasture. It is not recommended to be sown alone except in poor soil, on dry, stony hillsides, where better grasses will not grow. It withstands extreme cold and drought, and, if cut before flowering, it makes a good hay. If left to grow older, it becomes very tough. 30 lbs. to the acre. Per lb., 24 cts.; 10 lbs., \$2.20; 100 lbs., \$19.

BROMUS SCHRADERI (*Rescue Grass*).

In good, rich soil, several crops have been cut in a season. It cures into hay of fair nutritive quality, but for pasture, or for cutting and feeding green, it is more suitable. It is most valuable for the South and for the tropics. Height, 1 to 2 feet. 30 lbs. to the acre. Per lb., 25 cts.; 10 lbs., \$2; 100 lbs. \$18.

CALAMAGROSTIS ARENARIA. See *Ammophila arundinacea*.

CYNOSURUS CRISTATUS (*Crested Dog's Tail*).

A stoloniferous perennial, forming a smooth, compact and lasting turf. It thrives best on rich, moist land, but it can accommodate itself to almost any soil. Its roots penetrate deeply into the ground, which enables it to stand severe droughts. It makes a good bottom grass and is therefore valuable in mixtures for lawns and putting-greens. It thrives well in the shade. The color is the same as that of the Kentucky Blue Grass, and it is, therefore, excellent in mixture with that sort. If sown alone, 30 pounds to the acre is none too much, but it is recommended only in mixture with other sorts. Height 1 to 2 feet. Per lb., 35 cts.; 10 lbs., \$3.25; 100 lbs., \$30.

DACTYLIS GLOMERATA (*Orchard Grass; Cocks-foot*). One of the grasses most employed in permanent meadows, either for pasture or for mowing.



DACTYLIS
GLOMERATA

It is very hardy and succeeds well anywhere in the United States. It is very productive and makes excellent hay. If cut before it flowers it is less hard and the pith of the stem is soft and sweet. It blossoms about the same time as Red Clover, and is therefore desirable in mixture with that plant. Stock of all kinds are very fond of it, either dry or green, and it endures constant cropping better than any other grass. After being mown, it grows up quickly and yields a heavier aftermath than any other variety. It can stand considerable shade, and is recommended as a pasture grass for woodlands. Its tendency to grow in tussocks is diminished if it is sown with other grasses, and also by heavy rolling in the spring. But it is quite unsuitable for lawns. Height 3 feet. (14 lbs. to bushel.) Sow 3 or 4 bushels to the acre. Per lb., 28 cts.; 10 lbs., \$2.65; 100 lbs., \$25.

DOG'S TAIL. See *Cynosurus cristatus*.

ELYMUS ARENARIUS (*Lime Grass*). Valuable on the sandy seashore, canal and railroad banks, etc. It tends, with its

tough, wide-spreading and thickly matting roots, to form natural and permanent embankments, thus serving to prevent the drifting of the sand and to protect an exposed shore from wind and waves. It is of no agricultural value. Per lb., 60 cts.; 10 lbs., \$5.65; 100 lbs., \$52.

FESTUCA DURIUSCULA (*Hard Fescue*). This is a variety of *F. ovina*, dwarfier and less vigorous in growth, but possessing all the other valuable characteristics of that variety. It is emphatically a grass for dry lands, doing well on sandy and shallow silicious soils. It is exceedingly hardy and withstands extremes of heat and cold, and also long periods of drought. For permanent pastures on poor lands it is especially valuable but it may also be used in meadow mixtures for well-manured clayey lands. In the latter case it has been known to yield a good crop of excellent hay and a very large aftermath. On account of its stooling habit, it is not recommended for lawns. Height, 1 to 2 feet. 30 lbs. to the acre. Per lb., 27 cts.; 10 lbs., \$2.50; 100 lbs., \$23.

FESTUCA ELATIOR (*Tall Fescue*). This grass is a native of Europe, but was long ago introduced in this country, and is now naturalized, and widely grown here. It succeeds best in moist, alluvial, and strong, clayey soils. It is very productive and of long duration, and is especially valuable for permanent pasture. Stock of all kinds eat it readily, and its nutritive value is said to be very great. On rich, moist lands it yields a large amount of hay of excellent quality. It is not suitable for lawns. Height, 3 to 4 feet. 40 lbs. to the acre. Per lb., 48 cts.; 10 lbs., \$4.50; 100 lbs., \$40.

FESTUCA FLUITANS (*Floating Fescue*). A perennial with long, creeping roots, and preferring a rich, muddy, or alluvial soil. It is found in ditches, shallow ponds, sides of rivers and lakes, and in boggy, and marshy ground. As trout and wild duck are very fond of the seeds and tender shoots, it is often introduced on the margins of ponds and rivers with the view of affording them nourishment. Per lb., 50 cts.

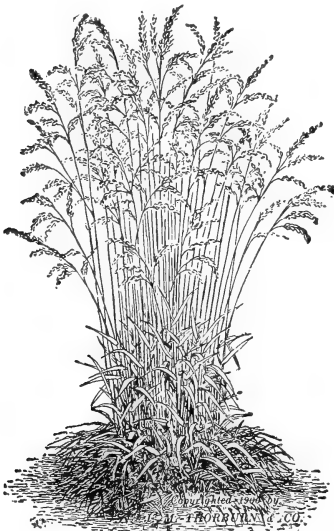
FESTUCA HETEROPHYLLA (*Various-leaved Fescue*). A very early, hardy perennial, 2 to 3 feet high, thriving best in cold, moist soils that are rich in humus and potash. In such soils it yields heavily, and is valuable in grass mixtures for permanent meadows either for mowing or grazing. Its great production of root-leaves makes it an excellent bottom grass. Its nutritive value is said to be very high. It grows very well in the shade, and is highly recommended for shaded lawns in mixture with other grasses. 40 lbs. to the acre. Per lb., 36 cts.; 10 lbs., \$3.40; 100 lbs., \$32.

FESTUCA OVINA (*Sheep's Fescue*). A native both of America and Europe. In our northwestern states there are many varieties of it, some of which grow 2 or 3 feet high. It prefers dry uplands and thrives in poor, shallow, gravelly soils, where other grasses would fail. It is very hardy, resisting extreme heat and cold. Though of dwarf growth, it grows thickly, yielding a large amount of nutritious herbage. In grass mixtures, for pastures on high and dry lands, it is especially valuable. Though a "bunch grass," it may be included in lawn mixtures as well as in fair-green mixtures on account of its fine foliage and dwarf, dense growth. $\frac{1}{2}$ to $1\frac{1}{2}$ feet. 35 lbs. to the acre. Per lb., 28 cts.; 10 lbs., \$2.60; 100 lbs., \$24.

FESTUCA PRATENSIS (*Meadow Fescue, or English Blue Grass*). One of the grasses most used in permanent or temporary meadows for mowing or for pasture. It succeeds best in cold, moist, light soils, in well-drained meadows and in low valleys rich in organic matter. It should not be grown at all on warm, dry land. It does not reach its full development till the second or third year, when it far exceeds most other sorts in the quantity of its produce and nutritive matter. After being mown, it grows again very quickly. The forage, either green or dried, is very nourishing and much relished by cattle, especially when it is cut young. Height, 2 feet. 40 lbs. to the acre. Per lb., 47 cts.; 10 lbs., \$4.50; 100 lbs., \$42.

FESTUCA RUBRA (*Red, or Creeping Fescue*). **True.** A creeping-rooted species forming a close and lasting turf, and especially adapted for dry, sandy soils. It resists extreme drought, and thrives on very inferior soils, gravelly banks and exposed hillsides. It is also valuable for shady places in lawns, as well as for golf-courses and for binding shifting sands on the seashore. (24 lbs. to bushel.) 30 lbs. to the acre. Per lb., 32 cts.; 10 lbs., \$3; 100 lbs., \$28.

FESTUCA TENUIFOLIA (*Slender Fescue*). This is really a variety of *Festuca ovina*, with much finer leaves. It will grow on very dry and inferior soils, and its dwarf habit of growth and fineness of leaf render it not unsuitable for dry slopes on lawns and golf-links. It stands grazing well, is very hardy, and lasts long, and may therefore be recommended for permanent pasture on high and dry situations. 30 lbs. to the acre. (22 lbs. to bushel.) Per lb., 43 cts.; 10 lbs., \$4; 100 lbs., \$36.



FESTUCA RUBRA (see page 51)

FOXTAIL. See *Alopecurus pratensis*.

HOLCUS LANATUS (*Meadow Soft Grass; Velvet Grass*). This grass is of fair agricultural value, and it will thrive on poor soil, where better sorts will not grow. It is a perennial, very hardy and grows rapidly. As a forage plant its nutritive value is small, yet it makes a hay that is eaten readily by cattle, especially when it is sprinkled with salt. Height, 1 to 2 feet. 35 lbs. to the acre. Per lb., 20 cts.; 10 lbs., \$1.75; 100 lbs., \$15.

HUNGARIAN GRASS. See *Panicum Germanicum*.

JOHNSON GRASS. Doubtful.

LOLIUM PERENNE (*Pacey's Perennial Rye Grass*).

Although called a perennial, it seldom lasts more than three or four years. It is the most valuable grass of Great Britain, both for pasture and for meadows, occupying there the same relative position of importance that Timothy holds here. The cool, moist climate of England seems to suit it best, yet it succeeds very well in our middle and

eastern states, and adapts itself to a great diversity of soils. The seed is large and heavy, and produces a strong, verdant growth in four or five weeks after sowing. It cures into hay having a sweet flavor, and much relished by cattle and horses. Its nutritive value, especially in mixture with Red Clover, is very great. It is excellent in mixtures for quick effects in lawns or golf-links. Height, 1½ to 2 feet. 60 lbs. to the acre. (28 lbs. to bus.) Per lb., 14c.; 10 lbs., \$1.15; 100 lbs., \$9.

LOLIUM PERENNE.

Fancy. A carefully selected short-seeded, dwarf-growing strain, suitable for lawns. Makes a fine green turf in three weeks. Per lb. 20 cts.; 10 lbs., \$1.50; 100 lbs., \$12.



LOLIUM PERENNE

LOLIUM ITALICUM (*Italian Rye Grass*). Though lasting two or three years under very favorable circumstances, it is practically an annual. Like the Perennial Rye Grass, it is a remarkably rapid grower, and has, in addition, the advantage of standing extremes of temperature, remaining green throughout the winter, and retaining its freshness in the hottest summer months and during prolonged drought. When sown very thickly, or in mixture with other sorts, it makes a good, dense turf, and it has been used with much satisfaction on lawns as far south as Jacksonville. On rich, moist soils, it is exceedingly productive, and may be cut in four or five weeks after sowing, and every six weeks after that until frost. For temporary meadows, on good soils, it is a most valuable grass. Height, 1½ to 2½ feet. 50 lbs. to the acre. (22 lbs. to bushel.) Per lb., 15 cts.; 10 lbs., \$1.25; 100 lbs., \$10.

OAT GRASS. See *Avena elatior*.

ORCHARD GRASS. See *Dactylis glomerata*.

PANICUM GERMANICUM (*Hungarian Grass*).

One of the most valuable annual soiling plants. It grows on any ordinary soil; withstands drought well. As it is of very rapid growth, being ready for cutting within sixty days, it may be sown in this latitude as late as the middle of July for hay, or in the middle of August for green fodder. It should be cut just before blooming. Sow 1 to 1½ bushels to the acre. (50 lbs. to bus.) Price variable.

PASPALUM DILATATUM (*Australian Water Grass*).

A somewhat leafy perennial, growing in clumps. Valuable as a pasture grass for the South, endures summer heat and drought very well and is especially desirable for furnishing late summer and autumn feed, during which period it makes its principal growth. Sow lightly on the surface in warm weather. The seed should barely be covered with soil. Sow from 8 to 10 lbs. to the acre, with 5 lbs. Hungarian grass as a temporary protection. Per lb., 45 cts.; 10 lbs., \$4; 100 lbs., \$35.

PHALARIS ARUNDINACEA (*Reed Canary Grass*).

A very hardy perennial, preferring stiff, wet land, but also doing fairly well in dry, sandy soils. It grows well in ditches and by riversides, where its strong, creeping rootstocks render it valuable for binding the banks. Its seed also affords food for trout and wild fowl. When young, it may be cut for green forage for cattle, but in its more matured state, it is too coarse for this purpose. (30 lbs. to bushel.) Per lb., 90 cts.

PHLEUM PRATENSE (*Timothy*). A native of

Europe, but long ago naturalized in America, where it ranks as by far the most important of hay grasses. On moist, loamy or clayey soil it produces a larger hay crop than any other grass. It is not so well suited for light sandy soils. Though preferring a moist, temperate climate, it withstands drought and extreme heat and cold. Its hay is very nourishing and can be preserved for a long time. It should be cut when flowering, as if left later the hay becomes hard and coarse. It is often sown along with Red Clover, and the nutritive value of the hay is greatly increased by this mixture. Height, 2 to 3 feet. If sown alone at least 25 lbs. to the acre should be used. The seed weighs 45 lbs. to the bushel. Several grades are always on the market, differing in purity and vitality. It is always most economical to buy the highest grade known as "Fancy." Market price.

POA AQUATICA (*Water Meadow Grass*). This is an excellent pasture grass for very wet situations. It also does well in bogs and marshes, and is useful in the same way as *Festuca fluviatans*. 20 lbs. to the acre. Per lb., 60 cts.



PHLEUM
PRATENSE
(See page 52)

POA COMPRESSA (*Canada Blue Grass*). A very hardy perennial grass, with creeping rootstalks, forming a close and durable turf of fine texture. It grows on the poorest and driest soils, sandy, gravelly or clayey, standing extremes of wetness or drought, and keeping green until the severe frosts of winter. It is said to be especially valuable for dairy pastures, cows feeding on it yielding the richest milk and finest butter. It is distinguished from the Kentucky Blue Grass by its flattened wiry stems and by its decidedly bluer color. Height, 6 to 18 inches. 60 lbs. to the acre. Per lb., 26 cts.; 10 lbs., \$2.40; 100 lbs., \$20.

POA NEMORALIS (*Wood Meadow Grass*). The chief characteristic of this grass is its special fitness for shaded positions in lawns and woodland parks, where other grasses will not grow. It is very permanent and hardy, resisting extremes of heat and cold, and is one of the first grasses to show a rich green growth in the spring. The creeping roots are formed underground, and make a good turf and should be included in all putting-green mixtures. Excellent for pasture. 30 lbs. to the acre. (19 lbs. to bushel). Per lb., 70 cts.; 10 lbs., \$6.50; 100 lbs., \$60.

POA PRATENSIS (*Kentucky Blue Grass; June Grass*). One of the most widely distributed and valuable native grasses. It combines more points of excellence than any other sort. It is a true perennial, lasting indefinitely and improving every year. Its densely creeping rootstalks, spreading habit and smooth, even growth, fine texture and rich green color render it one of the very best grasses for lawns. It forms a close turf, starts very early in the spring, and lasts till frost. It succeeds in almost any soil, dry, rocky, sandy or gravelly, and stands long-continued dry weather and hot suns. It takes, however, two or three years to become well established, and should, therefore, be sown only in connection with other grasses. If the soil is especially suitable it will eventually crowd these out, and make the finest possible sward. It is one of our most valuable pasture grasses, very productive and nutritious. 50 lbs. to the acre. Per lb., 40 cts.; 10 lbs., \$3.75; 100 lbs., \$35.

POA TRIVIALIS (*Rough-stalked Meadow Grass*). A spreading, thickly matted, stoloniferous-rooted species, forming a fine turf, and adapted for shaded portions of lawns. It thrives on rich, moist soil and in sheltered situations, but not on dry land. Valuable for forming bottom grass in mixtures for permanent pastures. Height, 1 to 3 feet. 20 lbs. to the acre. (26 lbs. to bushel). Per lb., 50 cts.; 10 lbs., \$4.50; 100 lbs., \$40.

RED TOP. See *Agrostis vulgaris*

RYE GRASS. See *Lolium Italicum* and *Lolium perenne*.

RHODE ISLAND BENT GRASS. See *Agrostis canina*.

TIMOTHY. See *Phleum pratense*.

KENTUCKY BLUE GRASS. See *Poa pratensis*.

FOR CLOVERS, SEE NEXT PAGE

For Special Meadow and Pasture Mixtures see page 48, and for Forage, Economical and Miscellaneous Seeds and Field Corns and Cereals, see pages 55 to 58. Fertilizers are quoted on page 132.

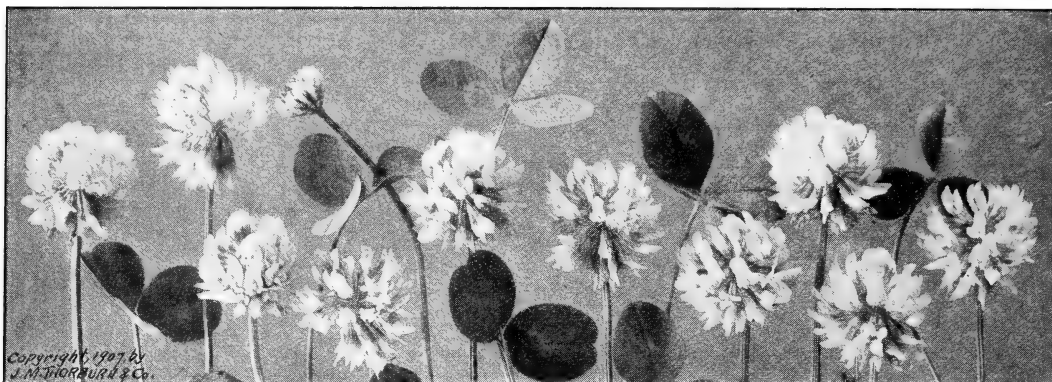
The revised edition of our pamphlet on the seeding and preservation of Golf-links is now ready and will be mailed free to any one desiring a copy.

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- No. 283. **SOILING CROPS AND THE SILO.** Cultivating and harvesting—How to build, fill, and use a Silo. By Shaw. Cloth. Illustrated. 364 pages. 1 50

For other practical and useful publications see extensive list on page 45.



Clovers

We quote present prices on as many of the Clovers as it is possible to offer as we go to press. We shall be very glad to quote prevailing prices on the sorts not offered at any time and we solicit inquiries. It is understood, of course, that all are subject to market fluctuations.

ALFALFA, or LUCERNE (*Medicago sativa*).

Requires deep, rich, well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 or 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late as August and up to the middle of September in more southerly localities. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, 1 to 3 feet. Prices variable.

TURKESTAN ALFALFA. Imported from Turkestan. It is said to be hardier and more productive than the ordinary variety, and to withstand drought better. Price variable.

ALSIKE, or HYBRID CLOVER (*Trifolium hybridum*). A perennial, 1 to 3 feet high, succeeding best in cold and stiff soils, and in marshy lands which are too wet for other species. It grows well in the far North and in high altitudes, and can withstand severe cold. A good honey plant for bees. 15 lbs. to the acre. Price variable.

BERSEEM, or EGYPTIAN CLOVER (*Trifolium Alexandrinum*). Said to be especially suited for a rotating crop for irrigated lands. It is very succulent and much relished by stock. Its value as a soil renovator is also said to be very high. Per lb., 48 cts., 10 lbs., \$4.50; 100 lbs., \$40.

BOKHARA CLOVER (*Melilotus alba*). A most valuable sort for soiling. It grows from 3 to 5 feet high, and if sown in rich soil may be cut three times; lasts two or more years if cut before flowering; good for ensilage and bees. 15 lbs. to the acre. Per lb., 27c.; 10 lbs., \$2.50; 100 lbs., \$22.

BURR CLOVER (*Medicago maculata*). An annual making good winter grazing on rich soils. Excellent for the South on Bermuda grass land, taking the place of the latter when killed by frost. Sow in August. 20 lbs. to acre. Price variable.

CRIMSON, or SCARLET CLOVER (*Trifolium incarnatum*). Erect annual, 1 to 2 feet high, with bright scarlet flowers. A native of southern Europe, it is largely grown in our southern states for improving the soil by turning under. It will not

Crimson, or Scarlet Clover, continued

stand severe frost, and cannot be depended upon to stand the winter north of New Jersey. It is a valuable crop for pasturage or green manure. For hay it should be cut when in full bloom. Sow 20 lbs. to the acre. Price variable.

JAPAN CLOVER (*Lespedeza striata*). An annual valuable only in the South where it thrives in any soil in the driest season. It makes fair hay; eaten readily by stock when green. Valuable for plowing under. Sow in spring broadcast. 30 lbs. to the acre. Per lb., 27 cts.; 10 lbs., \$2.50; 100 lbs., \$22.

KIDNEY VETCH, or SAND CLOVER (*Anthyllis vulneraria*). A deep-rooted, herbaceous hardy perennial plant, valuable for dry sandy and inferior soils, upon which Red Clover will not thrive. Eaten with avidity by sheep, cattle and horses; useful in mixture for dry soils. Sow 20 lbs. to the acre. Price variable.

RED CLOVER, MEDIUM (*Trifolium pratense*). One of the most valuable farm crops of the eastern states for pasture, hay, or for turning under for green manure. It requires a deep, rich soil, and yields two hay crops in the season. In this section, sow in the spring at the rate of 15 lbs. to the acre. Price variable.

MAMMOTH RED, or PEA VINE CLOVER (*English Cow Grass*). Grows larger and lasts longer than the common Red Clover; valuable for plowing under. 10 lbs. to the acre. Price variable.

WHITE CLOVER (*Trifolium repens*). Some White Clover is usually included in lawn-grass mixtures. It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in spring. In mixtures, 1 or 2 lbs.; if alone, 8 or 10 lbs. to the acre. Price variable.

YELLOW SUCKLING CLOVER (*Trifolium filiforme*). Native of northern Europe. Valuable for sheep pastures; recommended in grass mixtures for wet, sandy meadows. Per lb., 50 cts.

YELLOW TREFOIL (*Medicago lupulina*). An annual or biennial suitable for pastures in wet meadows, or for stiff, clayey soils too poor for Red Clover. It is very useful in some sections, and is sometimes used for hay. 15 lbs. to the acre. Per lb., 27 cts.; 10 lbs., \$2.50; 100 lbs., \$22.

N. B.—All prices are subject to market fluctuations. Prices quoted are those ruling January 1, 1912

Cereals

Customers will please add cost of bags when ordering, as follows: $\frac{1}{2}$ bushel, 10 cents; 1 bushel, 14 cents; 2 bushels, 23 cents.

The prices of some varieties may change as the season advances. Customers pay transportation charges.

FIELD CORN (56 lbs. to bushel)

All grown especially for seed.

FLINT VARIETIES

	Qt.	Pk.	Bus.
Angel of Midnight. Flint; 8-rowed; good-sized	\$0 20	\$0 85	\$2 25
Compton's Early Flint. Small grain; yellow; 12-rowed; large, white cob.....	20	85	2 25
King Philip. Early; reddish yellow flint.....	20	85	2 25
North Dakota Flint. White; 8-rowed; very early.....	20	85	2 25
Canada Early Yellow. Very early yellow flint.....	20	85	2 25
Sanford, or Long White Flint. Large; 8-rowed.....	20	85	2 25
Longfellow (Yellow Flint). Small cob and large grain.....	20	85	2 25
White Australian. Early white flint.....	20	85	2 25

DENT VARIETIES

Champion White Pearl. Large grain; 14 to 18 rows; ripens in 95 days.....	15	75	2 00
Hickory King. Large grain; small cob; white dent; late.....	20	85	2 25
Iowa Gold Mine. Dent; early; deep grain.....	15	75	2 00
Iowa Silver Mine. Large grain, dent; white cob; ripens in 100 days.....	15	75	2 00
Leaming Early. Large, deep grains; bright yellow.....	15	75	2 00
Legal Tender. Large; comparatively early.....	15	75	2 00
Mastodon. Early, strong-growing; large ears and grains; very productive	15	75	2 00
Pride of the North. Very large ears.....	15	75	2 00
White Cap Yellow Dent.....	15	75	2 00
Wisconsin White Dent. Very early; deep rooted; stands drought well.....	15	75	2 00
Wonder Early White Dent.	20	85	2 25

FODDER AND ENSILAGE VARIETIES

Red Cob Ensilage.....	15	75	2 00
Thoroughbred White Flint. Spreading habit; leave only one kernel to grow in a hill. Broad blade and small stalk; valuable for fodder and ensilage; also for grain.....	20	85	2 25
Virginia Horse Tooth. For fodder and ensilage.....	15	75	2 00

POP CORN (Shelled)

White Rice, White Pearl, Golden Queen, Silver Lace. Each, qt. 30 cts., $\frac{1}{2}$ pk. 85 cts., pk. \$1.50.

MISCELLANEOUS CEREALS All subject to change in price

BARLEY (48 lbs. to bushel). 2 bushels to acre. Champion. Price variable.			
BUCKWHEAT (48 lbs. to bus.) 2 bus. to acre. American Silver Hull. Early..... } Market Japan. Productive; large grains. } prices			
MILLETS (50 lbs. to the bushel) Japan Barnyard (<i>Panicum Crus-</i> Lb. 100 lbs. <i>galli</i>). 30 to 40 lbs. to acre..... \$0 12 \$6 00			
Hungarian. 1 to $1\frac{1}{2}$ bushels to acre Market price..			
White French. White grain.....	12	8	50
Golden. $1\frac{1}{2}$ bushels to the acre..	10	6	00
Pearl. Southern fodder plant.....	18	12	00
OATS (32 lbs. to the bushel). 2 to 3 bushels to the acre.....	Qt.	Bus.	
Sensation.....	\$0 15	\$1 25	
Clydesdale.....	15	1	50
RYE (56 lbs. to the bushel). $1\frac{1}{2}$ to 2 bushels to the acre.			
Spring Rye.....	20	2	00
Winter Excelsior.....	15	1	50
Mammoth Winter. Maximum crop 50 bushels of grain and 3 tons of straw per acre.....	20	2	00
WHEAT, WINTER (60 lbs. to the bushel). $1\frac{1}{2}$ bushels to the acre.			
Rupert's Giant. Bald red grain...	20	2	00
Durum. The best for macaroni...	25	2	75
Golden Chaff. Beardless.....	20	2	25
Klondyke. White grain; bald.....	20	2	25
Spring Wheat.....	25	2	50



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MAMMOTH WINTER RYE

Forage, Economical and Miscellaneous Seeds

Except where noted, these seeds are not sold in packets. From 10c. to 25c. worth is the smallest quantity put up

All subject to change in price



SOJA BEANS

ASPERULA odorata (*Waldmeister*). Perennial, about 6 inches high; very fragrant flower. In Germany it is thought much of as imparting a certain bouquet to Rhine wine, making the well-known *Maitrank*. Per pkt., 10c.; per oz., 60c.

ASTRAGALUS sinicus (Milk Vetch, or Chinese Clover). Largely grown in Japan for feeding cattle and as a fertilizer for rice fields. It is a clover-like plant, with red and white flowers. Per oz., 10 cts.; per lb., 75 cts.

AUSTRALIAN SALT BUSH (*Atriplex semibacata*). Thrives in soils on which nothing else will grow, and it is highly recommended for alkali soils and all regions subject to periodical drought. It is very nutritious, and good for all kinds of live stock. Two to three pounds of seed are sufficient for an acre. The seed may be sown in beds, and the seedlings planted out when 2 inches high, 3 feet apart. Per oz., 15c.; per lb., \$1.25; 100 lbs., \$90.

BEANS (60 lbs. to the bushel)—

Velvet Bean (*Dolichos multiflorus*). Used in the South as a forage plant, and as a fertilizer plant for turning under. Stock readily eat the vines and leaves, and the beans, when ground with or without the pod, are used in place of oats or corn, or mixed with them. Plant in rows 4 feet apart and 1 foot in the row, 2 or 3 beans in a place, as soon as danger of frost is past. Per lb., 15 cts.; 100 lbs., \$10.

Common English Horse Bean. Crop doubtful.

Soja Bean (*Glycine hispida*). Thrives well in hot and dry weather. Valuable for the South. Plant at the rate of $\frac{1}{2}$ to $\frac{3}{4}$ bushel to the acre, in drills $2\frac{1}{2}$ to 3 feet apart, and cultivate same as field corn. It does not make good hay, but is good as ensilage or green fodder.

Beans, Mammoth Yellow. Per qt., 25 cts.; bus., \$3.50.

Hollybrook. Per qt., 25 cts.; bus. \$4.

BEGGARWEED (Florida, or Giant Beggar Weed; *Desmodium tortuosum*). An erect leguminous annual, growing from 3 to 8 feet high, with abundant foliage, valuable as forage or for soil renovation in subtropical regions; it also makes hay of a fine quality. It should be sown at the rate of 10 pounds to the acre, after the ground is warm and moist. The seed should be but very lightly covered. If for hay, it should be cut just as it begins to bloom. Crop failed.

BERSEEM. See under Clover, page 54.

BROOM CORN (*Sorghum vulgare*). (12 quarts to the acre.) Broom Corn succeeds in a good, deep soil, fresh but not damp; very sensitive to cold.

Long-brush Evergreen. Per lb., 15 cts.; per 100 lbs., \$7.50.

Improved Dwarf. Per lb., 15 cts.; per 100 lbs., \$8.

California Golden Long-brush. Grows from 12 to 14 feet high. Per lb., 15c.; 100 lbs., \$7.50.

BROOM—Scotch (*Genista scoparia*). The young growth of this shrub is chiefly valuable as food for sheep and other animals in winter. It is also employed for the making of coarse brooms. Per oz., 10 cts.; per lb., 60 cts.

BURNET—Common Field (*Poterium sanguisorba*). Perennial; makes excellent pasture for sheep; grows on the poorest ground—on dry, sandy or calcareous soils; resists the extremes of heat and cold. Sow in April, and again in September, with Sainfoin, Clover, Rye, Grass, etc., 30 lbs. to the acre. Per lb., 40 cts.

CATERPILLARS (*Scorpiurus*). A curious plant; of interest only on account of the peculiar fruits from which its name is derived. Amusement is caused by mixing them in salads. Per pkt., 5 cts.; oz., 40 cts.

CHICORY, Large-rooted (*Cichorium Intybus*). When the roots are dried, roasted and ground they become the Chicory of commerce, and are used in adulterating coffee. Crop failed.

COTTON (*Gossypium*). **Upland Big Boll**. Very prolific. Per lb., 18 cts.; per 100 lbs., \$12.

Sea Island. Per lb., 20 cts.; per 100 lbs., \$13.

COWPEAS (*Vigna Catjang*). Specially adapted to warm countries; extensively grown in our southern states; also valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become well warmed. 1 bushel to the acre, in drills; 2 to $2\frac{1}{2}$ bushels to the acre if sown broadcast.

Black. Per qt., 20 cts.; per bus., \$3.50.

Black-eyed. Per qt., 20 cts.; per bus., \$4.

Clay. Per qt., 20 cts.; per bus., \$3.50.

New Era. Per qt., 20 cts.; per bus., \$3.50.

Whippoorwill. Per qt., 20 cts.; per bus., \$3.50.

EMMER (sometimes advertised as "Speltz," though this name is incorrect, the true "Speltz" being a different article). It is grown quite ex-

Emmer, continued

tensively in the Northwest, having been brought by the Germans from Russia, where it is considered a valuable cereal on account of its hardiness and drought-resisting qualities. Per lb., 15 cts.; per 100 lbs., \$8.

ESPARTO GRASS (*Stipa tenacissima*). This is the true Esparto Grass, extensively grown in Spain and other parts of the Mediterranean countries for making rope, etc. Pkt., 15 cts.; per oz., \$1.

ESPARSETTE. See *Onobrychis sativa*.

FENUGREEK (*Trigonella Fœnum-Græcum*). Annual. This seed is often sought by hostlers to give temporary fire and vigor to their horses. It is frequently given to oxen and pigs when fattening, causing them to drink and digest their food. Considered to be good for soiling when green. Per oz., 10 cts.; per lb., 30 cts.

FLAT PEAS. See *Lathyrus sylvestris*, below.

FURZE (*Ulex Europæa*). Also known as Whin and Gorse. A perennial leguminous shrub. The crushed sprigs of one year's growth of this shrub furnish an excellent green fodder in winter. It grows well on barren hillsides and in sandy soil. Sheep are fond of it. 25 lbs. to the acre. Per oz., 30 cts.; per lb., \$3.

HEMP (*Cannabis*). One bushel to acre. Per lb., 10 cts.; per 100 lbs., \$8.

HOP SEED (*Humulus lupulus*). Per pkt., 10 cts.; per oz., 70 cts.

INDIGO SEED (*Indigofera Dosua*). Per oz., 30 cts.; lb., \$3.

JERSEY WINTER KALE, or **Cow Cabbage**. For feeding cattle; very hardy. Per pkt., 5 cts.; per oz., 10 cts.; per ¼ lb., 25 cts.; per lb., 75 cts.

JERUSALEM CORN. See Sorghum, page 58.

JUTE (*Corchorus*). Annual. Thrives in any good corn ground. Sow in drills, about 8 inches apart, 4 pounds to the acre. Requires no cultivation, as it will outstrip in growth all weeds. May be also sown broadcast. 6 to 7 pounds per acre. Per oz., 10 cts.; per lb., 50 cts.

KAFFIR CORN. See Sorghum, page 58.

KIDNEY VETCH, or **Sand Clover**. See Clovers, page 54.

LIQUORICE (*Glycyrrhiza glabra*). Seed in pods, per oz., 40 cts.

LOTUS corniculatus (*Bird's-foot Trefoil*). Perennial, used in pastures. Cattle and sheep eat it readily, and it is said to be quite nutritious. It grows on the lightest and most sterile soils, and can withstand severe droughts. Is excellent for sowing in mixture for dry pastures. Per lb., 75 cts.

villosus, or **major** (*Greater Bird's-foot Trefoil*). Per lb., 75 cts.

LUPINS, Yellow. Succeeds well in the poorest soil, and is exceedingly valuable for plowing in to improve sandy soils. It makes good forage either green or as hay. The seeds are very fattening when used with hay. Sow in the spring when the ground has become warm, at rate of 90 lbs. to acre. Per lb., 15 cts.; per 100 lbs., \$6.

White (*Large Flat Seed*). One of the best plants known for green manure, as it gathers large

Lupins, White, continued

quantities of nitrogen from the air. It may be sown from April to July, and plowed under when in flower. The seed, when burned, is excellent manure for orange and olive trees. Per lb., 15 cts.; per 100 lbs., \$7.

Blue. Used for the same purpose as the white variety. Per lb., 15 cts.; per 100 lbs., \$6.

MILLETS. See Cereals, page 55.

MILLO MAIZE. See Sorghum, Branching, page 58.

ONOBRYCHIS sativa (*Sainfoin*, French; *Esparselte*, German). A perennial leguminous plant, belonging to the same family as Clover and Lucerne. It is a valuable plant for growing on poor land and barren hillsides. When once well established, it lasts for many years. If to be used for hay, cut just before the flowering period. Sow in spring, covering the seeds quite deeply, at rate of 80 lbs. or 100 lbs. to the acre. Per lb., 15 cts.; per 100 lbs., \$11.

OSAGE ORANGE (*Maclura aurantiaca*). Useful for hedges. Per oz., 10 cts.; per lb., 50 cts.; 25 lbs. and up at 30 cts. per lb.

PEARL MILLET (*Penicillaria spicata*). A valuable fodder plant for the South; is enormously productive. Sow the seed in drills 18 inches apart and 8 to 10 pounds to the acre. Per lb., 18 cts.; per 100 lbs., \$12.

PEAS, Canadian Field. Valuable for northern climates, for cattle-feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the spring and harrowed in. If sown with oats, about 1½ bushels to the acre, in drills, 2 to 3 bushels to the acre. Market price.

PENICILLARIA spicata. See Pearl Millet above.

POPPY, Opium (*Papaver somniferum*). The seed furnishes an agreeable sweet oil, used for the table, also for painting and for illuminating. May be sown in spring either broadcast or in drills, covering thinly. Also cultivated for opium. Per pkt., 5 cts.; per oz., 20 cts.; per lb., 75 cts.

POLYGONUM Sachalinense (*Sacaline*). Hardy perennial, native of the island of Saghalin, between Japan and Siberia. It grows well on the poorest soils, and endures the extremes of heat and cold. Reaches a height of 10 to 12 feet, and can be cut two or three times in the season. The stems and leaves, which are very nutritious, are eaten either green or dry by cattle and sheep, and much relished. Clean seed, per oz., 30 cts.; per lb., \$2.75.

RAMIE, Silver China Grass (*Urtica nivea*). Extensively cultivated for its fiber. The seed should be germinated on cotton floating in lukewarm water, and transferred to a bed, screened from the hot sun. When the plants are 4 inches high, transplant to a field in rows 4 feet apart each way; when 3 feet high, turn them over and peg down, covering with earth, and they will start in every direction. Per pkt., 15 cts.; per oz., 85 cts.; per lb., \$10.

RAPE, Dwarf Essex English (*Brassica napus*). Largely grown in the northern United States, and in Canada. It is excellent for sheep pasture, and also for soiling. It may be sown in May, and will be ready for pasturing in July and August. or it may be sown in June or July, and yet



SERADELLA

Rape, continued

furnish a large amount of pasture or fodder. In drills, sow 5 pounds to the acre; sown broadcast, 10 pounds to the acre. Per lb., 10 cts.; per 100 lbs., \$8.

REANA luxurians (*Teosinte*). Short crop. A valuable fodder plant from Central America, in growth resembling Indian Corn. Well adapted to our southern states. Per oz., 15 cts.; per lb., \$1.25.

RICE SEED, for sowing. Best Carolina. Per lb., 10 cts.; per 100 lbs., \$7.50.

SAINFOIN. See *Onobrychis*, page 57.

SALT BUSH. See Australian Salt Bush, page 56.

SACALINE. See *Polygonum Sachalinense*, page 57.

SERADELLA (*Ornithopus sativus*). A valuable forage plant, admitting of one, and sometimes two cuttings, in one season. It succeeds well in a dry, sandy soil and furnishes a good pasture for sheep. It may also be cured for hay. Can be sown with winter rye. About 50 pounds to the acre. Per lb., 20 cts.; per 100 lbs., \$14.

SNAILS (*Medicago scutellata*). Used in the same way as Caterpillars. Per paper, 5 cts.; per oz., 40c.

SORGHUM (25 pounds required to the acre if sown in drills. For dry fodder two bushels should be sown to the acre).

Shallu. A non-saccharine sorghum from India, also known as Egyptian Wheat. Requires more room to develop than ordinary Sorghum, and consequently needs less seed to sow an acre. Per lb., 15 cts.; per 100 lbs., \$10.

Early Amber Sugar Cane. Ripens wherever Indian corn matures. Grows 10 to 12 feet high. Per lb., 15 cts.; per 100 lbs., \$8.

Early Orange Sugar Cane. Ripens about ten days after Early Amber, and is said to produce a larger crop. Per lb., 15c.; per 100 lbs., \$8.

Yellow Branching (*Yellow Millo Maize*). Non-saccharine; useful for the large amount of foliage, green feed or cured fodder that it furnishes and for its grain. Per lb., 15 cts.; 100 lbs., \$8.

Red Kaffir Corn, or Sorghum. Non-saccharine. The plant is low, stalky, perfectly erect. The whole stalk, as well as the blades, cures into excellent fodder, and in all stages it is available for green feed. Per lb., 15c.; per 100 lbs., \$6.50.

Sorghum, White Kaffir Corn. Per lb., 15 cts.; 100 lbs. \$6.50.

Jerusalem Corn. Per lb., 15 cts.; 100 lbs., \$10.

Brown Dhoura Corn. Per lb., 15 cts.; per 100 lbs., \$8.50.

White Dhoura Corn. Per lb., 15 cts.; per 100 lbs., \$8.50.

Halepense (*Johnson Grass*). One of the most valuable southern fodder plants. On rich soils it may be cut three or four times in a single season, and it is claimed that hay made from it is equal in value to timothy. Sow in August and September. 35 or 40 pounds to the acre. Per lb., 22 cts.; per 100 lbs., \$20.

SPELTZ. See Emmer, page 56.

SPURRY (*Spergula arvensis*). Annual. Grows well on poor, dry, sandy soil; may be sown every month from March to August. Excellent pasture for cattle and sheep; also of much value as a fertilizer for light soil. 15 pounds to the acre. Per lb., 15 cts.; per 100 lbs., \$8.

Giant Spurry. Per lb., 15 cts.; per 100 lbs., \$8.50.

SUNFLOWER, Large Russian. Per lb., 10 cts.; per 100 lbs., \$8 (price fluctuates).

TEASELS—Fullers' (*Dipsacus Fullonum*). Heads used for combing cloth. Requires a deep soil; sow in April or May. The young leaves are used for feeding silkworms. Per lb., 35 cts.

TEOSINTE. (See *Reana luxurians*, this page.)

TOBACCO SEED. See page 44.

ULEX Europæa. See Furze, page 57.

VELVET BEAN. See page 56.

VETCHES—Spring Tares (*Vicia sativa*). Sown broadcast at rate of 60 to 100 pounds to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas. Price variable. Present quotation, per lb., 10 cts.; per 100 lbs., \$5.50.

Sand, Winter, or Hairy Vetch. (*Vicia villosa*.)

Thrives on poor, arid, sandy soils. It may be sown either in fall or in spring, mixed with rye, for a support. Grows 3 to 4 feet high, and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow from 30 to 50 lbs. to the acre. Price variable. Present quotation, per lb., 15c.; per 100 lbs., \$12.

WALDMEISTER. See *Asperula odorata*, page 56.

WORMS (*Astragalus hamosus*). Used the same as Snails and Caterpillars. Per pkt., 5 cts.; per oz., 40 cts.



SPURRY

Tree and Shrub Seeds

To preserve seeds of Conifers and other Evergreen Trees, it is best to keep them in perfectly dry sand until the time of sowing. For this latitude, the seeds should be sown thinly, as early in the spring as the ground can be worked, in beds of fine, sandy loam. Cover to the depth of about the thickness of the seed, and press the beds gently with the back of the spade to firm the earth around the seeds. Great care must be taken not to give too much water, as the young plants damp off very easily. Water with a very fine rose, but never so that the ground becomes soggy. Some shade must be used to protect the young plants from the hot sun and winds, and to keep the birds from destroying them. Seeds of the rarer sorts may be sown in coldframes or boxes; if in coldframes, the sashes should be shaded and the frames raised at the corners 3 or 4 inches, to allow the air to circulate freely. Keep the young plants well weeded, and allow them to remain from one to two years before transplanting.

The propagation of Deciduous Trees from seed is less difficult than that of Evergreen species. Acorns, Hickory Nuts, Chestnuts and Walnuts should be planted in autumn, or kept during the winter in earth or moss. They thrive up by too-long exposure to the air, and many of them lose their vitality. Those seeds with hard shells, like the Locust, *Gymnocladus*, etc., should be planted in autumn or placed in boxes with sand, and exposed to frost before planting. They may not germinate till the second year after planting, and if they are received too late in the spring to expose them to the action of the frost, they may be put into a vessel of hot water for an hour or so before planting. American Elm, Silver Maple, and a few other sorts ripen their seeds early in summer, and, if gathered and planted soon after they fall from the tree, will make fine plants the same season. The seeds of other Deciduous Trees and Shrubs should be planted from the middle of April to the middle of May, in drills about 2 feet apart, and covered about $\frac{1}{2}$ inch in depth, according to size.

Some of the varieties here offered are on hand now; many are due from foreign countries, where they are being collected for us. We are, of course, uncertain of getting all of them. As the season advances, many sorts become worthless from various causes, or are sold out, and cannot be replaced until the new crop is ready next season.

EVERGREEN TREE AND SHRUB SEEDS

We do not sell Tree or Shrub Seeds in quantities of less than an ounce of any one variety, except those quoted at over 25 cents per ounce; of these, 25-cent packets may be ordered.

	Per oz.	Per lb.
Abies alba (White Spruce).....	\$0 35	\$3 50
<i>Arizona</i> (Silver Cork Fir).....	1 10	14 00
<i>balsamea</i> (Balsam Fir).....	15 1	50
<i>brachyphylla</i> (Short-leaved Japan Fir).....	35 3	50
<i>Canadensis</i> (Hemlock Spruce).....	45 4	50
<i>Cephalonica</i> (Greek Silver Fir).....	35 3	50
<i>concolor</i> (Calif. White Silver Fir).....	35 3	50
<i>firma</i> (Japan Silver Fir).....	25 2	50
<i>grandis</i> (Great Silver Fir of Oregon).....	50 5	00
<i>magnifica</i> (Superb Silver Fir).....	35 3	50
<i>Mariesii</i> (Japan Silver Fir).....	50 5	00
<i>Mertensiana</i> (Calif. Hemlock Spruce).....	90 11	00
<i>Nordmanniana</i> (Nordmann's Fir).....	20 2	00
<i>pectinata</i> (European Silver Fir).....	10 75	
<i>Pinsapo</i> (Spanish Fir).....	25 2	50
<i>Sachalinensis</i> (Saghalien Fir).....	40 4	00
<i>Sibirica</i> (Siberian Silver Fir).....	30 3	00
<i>subalpina</i> (Dwarf Mountain Spruce).....	70 7	00
<i>Veitchii</i> . From Japan.....	35 3	50

Arborvitæ. See *Thuja*.

Arctostaphylos glauca (Great-berried <i>Manzanita</i>).....	20 1	75
<i>tomentosa</i> (Woolly-branched Straw- berry Tree).....	20 1	75

Buxus sempervirens (Evergreen Box).....	25 2	50
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Cedrus		
<i>Atlantica argentea</i> (Mt. Atlas Cedar).....	35 3	50
<i>Deodara</i> (Himalayan Cedar).....	35 3	50
<i>Libani</i> (Cedar of Lebanon).....	35 3	50

Chamæcyparis obtusa. From Japan.....	20 2	00
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Cryptomeria japonica (Japan Cedar).....	25 2	50
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Cupressus		
<i>Arizona</i> (Arizona Cypress).....	55 5	50
<i>Goveniana</i> (Goven's Cypress).....	50 5	00
<i>horizontalis</i> (Horizontal Cypress).....	10 1	00
<i>Lawsoniana</i> (Lawson's Cypress).....	50 5	00
<i>MacNabiana</i> (Mountain Cypress).....	40 4	00
<i>macrocarpa</i> (Monterey Cypress).....	15 1	50
<i>pyramidalis</i>	10 1	00
<i>sempervirens</i> (Evergreen Cypress).....	10 1	00

Fir Tree. See *Abies* and *Picea*.

	Per oz.	Per lb.
Juniperus		
<i>argentea</i> (Silvery-leaved Red Cedar).....	\$0 15	\$1 50
<i>Bermudiana</i> (Pencil-wood Cedar).....	15 1	25
<i>Californica</i> (Calif. Juniper).....	40 4	00
<i>communis</i> (European Juniper).....	10 70	
<i>Hibernica</i> (Irish Juniper).....	25 2	50
<i>occidentalis</i> (Western Juniper).....	30 3	00
<i>Oxycedrus</i> (Sharp-leaved Cedar).....	20 2	00
<i>Virginiana</i> (Red Cedar).....	10 80	

Norway Spruce. See *Picea excelsa*.

Picea		
<i>Douglasii</i> (Douglas's Spruce).....	45 4	50
<i>excelsa</i> (Norway Spruce).....	20 1	75
<i>Menziesii</i> (Menzie's Fir).....	60 6	00
<i>nigra</i> (Black Spruce).....	55 5	50
<i>polita</i> (Tiger's Tail Fir).....	60 6	00
<i>pungens</i> (Colorado Blue Spruce).....	60 6	00
<i>rubra</i> (Red Spruce).....	55 5	50
<i>Williamsonii</i> (Williamson's Spruce).....	10 12	00

Pinus		
<i>Austriaca</i> (Austrian Pine).....	15 1	50
<i>australis</i> (palustris) Southern Pine).....	45 4	50
<i>Benthamiana</i> (Foot Hills Yellow Pine).....	45 4	50
<i>Canariensis</i> (Canary Island Pine).....	45 4	50
<i>Cembra</i> (Cembran Stone Pine).....	10 1	00
<i>contorta</i> (Twisted Branch Pine).....	80 8	00
<i>Coulteri</i> (Coulter's Pine).....	70 7	00
<i>densiflora</i> (Japan Pine).....	25 2	25
<i>flexilis</i> (Graceful Pine).....	45 4	50
<i>Halepensis</i> (Jerusalem Pine Tree).....	25 2	50
<i>insignis</i> (Oregon Pitch Pine).....	30 3	00
<i>Jeffreyana</i> (Jeffrey's Pine).....	45 4	50
<i>Koraiensis.</i> From Japan.....	35 3	50
<i>Lambertiana</i> (Sugar Pine).....	30 3	00
<i>Laricio</i> (Corsican Pine).....	35 3	50
<i>maritima</i> (Seaside Pine).....	10 1	00
<i>Monticola</i> (Mountain White Pine).....	75 7	50
<i>mitis</i> (Short-leaved Pine).....	55 5	50
<i>montana</i> (mughus).....	40 4	00
<i>monophylla</i> (Calif. Nut Pine).....	45 4	50
<i>muricata</i> (Bishop's Pine).....	70 7	00
<i>parviflora.</i> From Japan.....	30 3	00
<i>Pinea</i> (Stone Pine, or Nut Pine).....	10 80	

Evergreen Tree and Shrub Seeds, continued

	Per oz.	Per lb.		Per oz.	Per lb.
Pinus ponderosa (Heavy Pine).....	\$0 35	\$3 50	Thuja aurea (Golden Arborvitæ).....	\$0 25	\$2 50
resinosa (Red Pine).....	1 00	12 00	compacta (Compact Arborvitæ).....	25	2 50
rigida (Northern Pitch Pine).....	35	3 50	gigantea (Giant Oregon Arborvitæ)....	60	6 00
Sabiniana (Sabine's Nut Pine).....	25	2 50	orientalis (Chinese Arborvitæ).....	15	1 50
Strobis (White Pine).....	30	3 00	occidentalis (American Arborvitæ)....	40	4 00
sylvestris (Scotch Pine).....	25	2 50	Thujopsis dolabrata (Japanese Thuja)..	60	6 00
tæda (Loblolly).....	55	5 50	Torreya Californica (California Nutmeg).	25	2 25
Torreyana (Torrey's Pine).....	45	4 50	nucifera. From Japan.....	15	1 50
tuberculata (Tuberculated Pine).....	70	7 00	Tsuga canadensis (Hemlock Spruce) ...	60	6 00
Sciadopitys			heterophylla (Prince Albert's Fir).....	75	
verticillatus (Umbrella Pine of Japan)..	40	4 00	Sieboldii (Siebold's Japan Spruce)....	50	5 00
Schinus molle (False Pepper).....	15	1 50	Yucca		
Sequoia gigantea	80	10 00	baccata (Berry-bearing Yucca).....	75	
sempervirens (California Redwood)....	50	5 00	brevifolia (Short-leaved Yucca).....	1 00	
Spruce Tree. See <i>Abies</i> and <i>Picea</i> .			filamentosa (Adam's Needle).....	35	3 50
Taxus baccata (English or European Yew.	20	2 00	Whipplei (Whipple's Yucca).....	50	5 00

DECIDUOUS TREE AND SHRUB SEEDS

	Per oz.	Per lb.		Per oz.	Per lb.
Acer			Broussonetia papyrifera (Paper Mul-Per		
campestre (European Field Maple)....	\$0 10	\$0 50	berry).....	\$0 25	\$2 50
macrophyllum (Large-leaved Maple)...	15	1 50	Callicarpa		
negundo (Box Elder).....	10	60	Americana (French Mulberry).....	10	1 00
platanoides (Norway Maple).....	10	80	Calycanthus floridus (Common Carolina		
pseudo-platanus (Sycamore Maple)....	10	1 00	Allspice).....	10	1 00
spicatum (Mountain Maple).....	20	2 00	occidentalis (Western Allspice).....	40	4 00
Æsculus flava (Sweet or Yellow Buckeye).		35	Camellia Japonica. From Japan.....	15	1 50
glabra (Fetid or Ohio Buckeye).....		35	Camphor. See <i>Cinnamomum</i> .		
Ailanthus glandulosus (Tree of Heaven)	10	1 00	Carpenteria Californica	1 60	22 00
Almond. See <i>Amygdalus</i> .			Carya amara (Bitter Nut).....		
Alnus glutinosa (Common Alder).....	10	90	qt. 35 cts.; bus., \$4.50..		
incana (Smooth White Alder).....	15	1 25	sulcata (Big Shellbark Hickory).....		
Oregona (Oregon Alder).....	30	3 00	qt., 35 cts.; bus., \$4.50..		
rugosa.....	25	2 50	tomentosa (Mocker Nut).....		
viridis (Green Alder).....	25	2 50	qt., 35 cts.; bus., \$4.50..		
Amorpha angustifolia	10	80	Carpinus Americana (Water Beech)....	15	1 75
fruticosa (Falso Indigo).....	10	80	Castanea Americana (American Chest-		
montana.....	10	80	nut).....	10	40
Tennesseensis.....	10	80	Japonica (Japan Chestnut).....	10	60
variegata.....	10	80	Catalpa speciosa. True Hardy <i>Catalpa</i> ..	25	2 50
Ampelopsis hederacea (Woodbine).....	15	1 25	Ceanothus		
Veitchii (Boston Ivy). Clean seed.....	40	4 00	thyrsiflorus (California Lilac).....	30	3 00
Amygdalus			Celastrus articulatus (Staff Tree).....	20	2 00
vulgaris dulcis (Sweet Almond).....	10	1 00	scandens (Climbing Bittersweet).....	20	2 00
vulgaris amara (Bitter Almond).....	10	1 00	Celtis australis (European Nettle Tree)	15	1 25
Andromeda			Cerasus Caroliniana	15	1 50
ligustrina (Privet Andromeda).....	50	5 00	Cercis		
Arbutus Menziesii (Madrona Tree).....	30	3 00	Canadensis (American Judas Tree)....	10	1 00
Unedo (Strawberry Bush).....	30	3 00	occidentalis (California Judas Tree)...	40	4 00
Ardisia crenata. Very decorative.....	30	3 00	Siliquastrum (European Judas Tree)....	10	1 00
Aristolochia Siphio (Dutchman's Pipe). I	00	12 00	Cinnamomum Camphora (Camphor)....	35	3 50
Ash. See <i>Fraxinus</i> .			Citrus trifoliata (Hardy Japan Orange)..	15	1 50
Asimina triloba (Paw Paw).....	10	1 00	Clematis		
Azalea calendulacea (Flame-colored			flammula (White Virgin's Bower).....	25	2 50
Azalea).....	60	6 00	paniculata (Panicked Virgin's Bower)..	50	5 00
Berberis			vitalba (Traveler's Joy).....	10	1 00
Thunbergi. Fine for hedges.....	25	2 50	viticella (Purple Virgin's Bower).....	15	1 50
vulgaris (Common Barberry). Clean			virginica (American Virgin's Bower)...	60	6 00
seed.....	15	1 25	Clethra alnifolia (Sweet Pepper Bush)...	15	1 25
vulgaris purpurea (Purple-leaved).			Colutea		
Clean seed.....	25	2 50	arborescens (Shrubby Bladder Senna)..	10	1 00
Betula alba (White European Birch)....	10	60	Cornus		
alba laciniata (Fern-leaved Birch).....	15	1 25	alternifolia (Alternate-leaved Dog-		
Americana alba (White Amer. Birch)...	15	1 25	wood).....	15	1 50
lenta (Mountain Mahogany).....	25	2 50	florida (Flowering Dogwood).....	10	60
lutea (Yellow or Grey Birch).....	25	2 50	Nuttalli (Nuttall's Dogwood Box) ...	15	1 50
nigra (Red Birch).....	25	2 50	mascula (Cornelian Cherry).....	10	65
papyracea (Paper Birch).....	25	2 50	paniculata (Panicle-flowered Dogwood)	20	2 00
populifolia (Poplar-leaved Birch).....	10	1 00	sanguinea (Scarlet Dogwood).....	10	65
Bignonia radicans (Trumpet Creeper)....	25	2 50	sericea (Silky Cornel).....	15	1 50
Boston Ivy. See <i>Ampelopsis Veitchii</i> .			stolonifera (Osier Dogwood).....	10	1 00
Broom. See <i>Genista</i> .			Coronilla Emerus (Scorpion Senna)....	40	4 00

Deciduous Tree and Shrub Seeds, continued

	Per oz.	Per lb.		Per oz.	Per lb.
Corylus avellana (German Hazel)	\$0 10	\$0 65	Ilex glabra (Inkberry)	\$0 15	\$1 50
Crataegus			verticillata (Deciduous Holly)	15	1 25
coccinea (Scarlet-fruited Thorn)	10	75	Indigofera Dosua (Indigo Tree)	30	3 00
Crus-galli (Cocksbur Thorn)	10	75	Juglans .. qt., 20 cts.; bus., \$3.50		
monogyna	10	1 00	Californica	10	75
oxyacantha (Hawthorne)	10	60	cordiformis. From Japan	10	60
Cytisus alpinus (Scotch Laburnum)	15	1 50	Mandschurica. From Japan	10	60
Laburnum (Laburnum or Golden Chain)	15	1 25	nigra (Black Walnut)		
scoparius. See Genista.			.. qt., 20 cts.; bus., \$3.50 ..		
Daphne Mezereum (Mezereon)	40	4 00	regia (English Walnut)	10	60
Daphniphyllum macropodon	15	1 50	Sieboldii. From Japan	10	60
Deutzia crenata	25	2 50	Koeleruteria		
gracilis (Japanese Snowflower)	15	1 50	paniculata (Chinese Bladder Nut)	10	75
scabra (White Deutzia)	30	3 00	Larix Europæa (European Larch)	30	3 00
Diospyros virginiana (American Persimmon)	10	80	Laurus nobilis (Sweet Bay)	10	60
Dogwood. See Cornus.			Ligustrum		
Elæagnus angustifolia (Narrow-leaved Oleaster)	30	3 00	Ibota (Chinese Privet)	20	2 00
longipes* (Long-stalked Oleaster)	20	2 00	Ibota regelianum	30	3 00
Eucalyptus			Japonicum (Japan or Calif. Privet) ..	10	65
gigantea (Stringybark Tree)	45	4 50	ovalifolium (Oval-leaved Privet)	15	1 25
globulus (Tasmania Blue Gum)	55	5 50	vulgare (Common Privet)	15	1 50
Gunni (Cider Tree of Tasmania)	55	5 50	Liquidambar styraciflua (Sweet Gum) ..	35	3 50
leucoxylon (Australian Iron Bush)	45	4 50	Liriodendron tulipifera (Tulip Tree) ..	10	60
obliqua (Stringybark Tree)	40	4 00	Locust. See Gleditschia and Robinia.		
robusta (Brown Gum)	50	5 00	Lonicera Tatarica (Tartarian Honey-suckle)	25	2 50
Stuartiana (Apple-scented Gum Tree) ..	55	5 50	Maclura aurantiaca (Osage Orange)		
viminialis (Blue Gum)	55	5 50	25 lbs. and up at 30 cts. per lb.	10	50
Euonymus Americana (Strawberry Bush) ..	25	2 50	Magnolia acuminata (Cucumber Tree) ..	15	1 50
Europæus (Spindle Tree)	15	1 25	glauca (Sweet Bay)	25	2 50
Japonicus (Japanese Spindle Tree)	20	2 00	hypoleuca. From Japan	30	3 00
Fagus			Kobus. From Japan	25	2 50
Americana (American Beech)	10	75	tripetala (Umbrella Tree)	20	2 00
Japonica	20	2 00	Mahonia aquifolia (European Holly) ..	20	2 00
sylvatica (European Beech)	10	75	Maple. See Acer.		
sylvatica purpurea (Purple Beech)	15	1 25	Morus alba (White Mulberry)	20	1 75
Fraxinus			alba fructa nigra	25	2 50
Americana (White American Ash)	10	75	Tatarica (Russian Mulberry)	30	3 00
excelsior (European Ash)	10	50	Mulberry. See Morus.		
excelsior pendula (Weeping Ash)	10	50	Myrica Californica (Calif. Wax Myrtle) ..	40	4 00
Oregona (Oregon Ash)	30	3 00	cerifera (Candleberry Myrtle)	15	1 50
Ornus (Flowering Ash)	10	60	Nyssa sylvatica (multiflora) (Sour Gum Tree)	10	1 00
sambucifolia (Black, or Water Ash)	15	1 25	Osage Orange. See Maclura.		
viridis (Green Ash)	10	60	Paliurus aculeata (Christ's Thorn)	10	90
Fremontia Californica (Slippery Elm of California)	1	10 00	Paulownia imperialis (Empress Tree) ..	15	1 25
Gaultheria Shallon (Calif. Winterberry) ..	50	5 00	Photinia arbutifolia	15	1 50
Gaylussacia frondosa (Blue Huckleberry)	45	4 50	Platanus orientalis (Oriental Plane)	10	65
resinosa (Black Huckleberry)	30	3 00	occidentalis (Button-ball)	10	70
Genista scoparia (Scotch Broom)	10	60	Plum. See Prunus.		
juncea (Fragrant Spanish Broom)	10	80	Populus tremula (Haps Tree)	15	1 50
tinctoria (Dyer's Broom)	20	2 00	Prunus Americana (Wild Plum)	15	1 50
Ginkgo. See Salisburia.			Caroliniana (Carolina Plum, or Mock-orange)	15	1 50
Gleditschia horrida (Horrid Thorn)	15	1 50	maritima (Beach Plum)	30	3 50
triacanthos (Honey Locust)	100 lbs., \$35.	10 45	Pennsylvanica (Wild Red Cherry)	25	2 50
Gymnocladus			serotina (Wild Black Cherry)	10	60
Canadensis (Kentucky Coffee Tree) ..	10	75	Virginiana (American Choke-cherry) ..	10	90
Halesia tetraptera (Silver Bell)	15	1 50	Ptelea trifoliata (Hop Tree)	15	1 50
Hedera Helix (English Ivy)	10	70	Quercus Catesbæi (Barren Scrub Oak) ..		
Hibiscus Syriacus fl. pl. (Double Rose of Sharon)	15	1 50	.. qt., 30c.		
Hydrangea paniculata (Panicked Hydrangea)	60	6 00	bicolor (Swamp White Oak) .. qt., 20c.		
Hypericum aureum	50	5 00	falcata (American "Spanish" Oak) ..		
Holly. See Ilex and Mahonia.			.. qt., 30c.		
Ilex aquifolium (Common Holly)	10	70	lyrata (Swamp Post Oak) .. qt., 25c.		
decidua (Deciduous Holly)	15	1 50	Michauxii (Basket Oak) .. qt., 25c.		
			nigra (Barren Oak) .. qt., 35c.		
			obtusiloba (Box White Oak) .. qt., 25c.		
			tinctoria (Yellow-barked Oak) .. qt., 30c.		

Deciduous Tree and Shrub Seeds, continued

	Per oz.	Per lb.		Per oz.	Per lb.
Rhamnus			Styrax Japonica	\$0 15	\$1 25
Alaternus (Barren Privet).....	15	1 25	Syringa vulgaris (Lilac).....	15	1 50
Californica (Calif. Coffee Tree).....	25	2 50	Clean seed.....	35	3 50
Carolina (Indian Cherry).....	15	1 25	Tamarix Gallica (Common Tamarisk)...	40	4 00
cathartica (Buckthorn).....	10	1 00	Taxodium distichum (Deciduous Cy-		
Rhododendron Catawbiense.....	75		press).....	15	1 25
Californica maximum.....	1	50	Tecoma radicans (Trumpet Creeper)....	25	2 50
maximum (Great Laurel).....	75		Thea Chinensis (Chinese Tea).....	10	75
Rhus copallina (Dwarf Sumach).....	10	80	Tilia argentea (Silver-leaved Linden)...	15	1 50
cotinifolia (Smoke Tree).....	30	3 00	Europæa (European Linden).....	10	1 00
glabra (Scarlet Sumach).....	10	80	grandiflora (Large-leaved Linden).....	10	1 00
typhina (Staghorn Sumach).....	15	1 25	Ulex Europæa (Furze, Gorse or Whin)...	30	3 00
Robinia pseudacacia (Yellow, or Black			Ulmus campestris (Common Elm).....	10	1 00
Locust).....	100 lbs., \$28.	10 40	Americana (American White Elm)....	15	1 25
Rosa blanda (Early Wild Rose).....	10	80	montana (Large-leaved Elm).....	10	1 00
canina (Briar Rose).....	10	1 00	Vaccinium atrocoecum (Black High Blue-		
Carolina (Swamp Rose).....	10	90	Berry).....	30	3 00
humilis (Low Rose).....	15	1 50	corymbosum (Swamp Blueberry).....	30	3 00
rubiginosa (Sweetbriar). Clean seed...	15	1 25	pallidum (Pale-flowered Whortle-berry)	30	3 00
rugosa Regeliana rubra (Dr. Regel's			Pennsylvanicum (Low Early Blueberry)...	30	3 00
Rose).....	30	3 00	vacillans (Low Blueberry).....	30	3 00
Salisburia adiantifolia (Maidenhair Tree)	10	80	Viburnum acerifolium (Dockmackie)...	15	1 50
Sambucus canadensis (American Elder)	10	80	cassinoides (Appalachian Tea Tree)....	15	1 50
glauca (California Elder).....	15	1 50	dentatum (American Arrow-wood)....	10	80
nigra (Elderberry).....	10	75	nudum (American White Rod).....	15	1 25
racemosa (Hart's Elder).....	10	75	lantanoideis (Wayfaring Tree).....	15	1 50
Sassafras officinale (Sassafras Tree)....	15	1 50	Opulus (Snowball).....	10	80
Spartium scoparia. See Genista.			prunifolium (Black Hawk).....	10	1 00
Spiræa Douglasii (Douglas' Spiræa)....	80	8 00	Tinus (Laurestinus).....	15	1 50
salicifolia (American Meadow Sweet)...	10	75	Vitex Agnus-castus (Chaste Tree).....	15	1 50
tomentosa (Hard Hack).....	10	75	Walnuts . See Juglans.		
Staphylea pinnata (Eu. Bladdernut)....	15	1 25	Wistaria .		
Symphoricarpus			Chinensis (Chinese Wistaria).....	40	4 00
vulgaris (Indian Currant).....	10	1 00	Chinensis alba (White Chinese Wistaria)	70	7 00
occidentalis (Wolf Berry).....	25	2 50	Zizyphus sativa (Cultivated Jujube)....	20	2 00

FRUIT SEEDS

	Per oz.	Lb.	100 lbs.		Per oz.	Lb.	100 lbs.
Apple Seed	\$0 10	\$0 75		Plum Pits, Green Gage	\$0 30	\$25 00	
Paradise Apple (<i>Pyrus para-</i>				Damson, for grafting.....	35	35 00	
<i>distaca</i>).....	10	60		Plum Pits, Myrobalan	45	40 00	
Apricot Pits	25	\$22 00		St. Julien.....	45	40 00	
Cherry Pits, Mahaleb	50	40 00		Domestic.....	30	22 00	
Black Mazzard.....	30	25 00		Quince Seed	\$0 25	2 50	
Domestic.....	25	20 00		Raspberry, red ... pkt., 10c... 25	2 50		
Currants, Black ... pkt., 10c... 25	2 50			Yellow..... " 10c... 30	3 00		
Red Dutch..... " 05c... 20	2 00			Black..... " 10c... 30	3 00		
White Dutch..... " 05c... 20	2 00			Strawberry, Mixed " 10c... 75			
Gooseberry, Green				Red Alpine..... " 10c... 1 00	1 00		
and Yellow.... " 10c... 40				Vitis æstivalis (Summer Grape)	25	2 25	
Large Red..... " 10c... 40				arborea.....	25	2 50	
Peach Pits, Natural				cordata.....	25	2 50	
qt., 15 cts.; bus., \$2.50...				cordifolia (Frost Grape)....	25	2 50	
Pear Seed	25	2 50		Labrusca (Northern Fox			
Pear Seed. From Japan	45	4 50		Grape).....	25	2 50	
				riparia.....	25	2 50	

SEEDS OF HEDGE PLANTS

For prices, see under head of Tree seeds

Barberry, Common	Berberis vulgaris.	Locust, Honey	Gleditschia triacanthos.
Purple-leaved.....	Berberis folio-purpurea.	Yellow.....	Robinia pseudacacia.
Japanese.....	Berberis Thunbergi.	Norway Spruce	Picea excelsa.
Broom, Scotch	Genista scoparia.	Osage Orange	Maclura aurantiaca.
Buckthorn	Rhamnus cathartica.	Privet, Japan or Calif. ...	Ligustrum japonicum.
Furze, or Gorse	Ulex Europæa.	Common Evergreen....	Ligustrum vulgare.
Hawthorn	Cratægus oxyacantha.	Sheepberry (Black Haw)	Viburnum prunifolium.

FLOWER SEEDS

Practical Directions for Culture, Treatment, etc.

HARDY ANNUALS (hA).—Sow in April or May, according to the latitude, in shallow boxes or pots placed in a warm window, a hotbed, or, if possible, in a greenhouse. A second sowing ought to be made from two to four weeks after for a succession, as well as to provide against failure the first time. For sowing seeds in there is nothing better than shallow boxes from 2 to 3 inches deep, and of any convenient size. The most suitable soil for all the smaller kinds is a very fine, rich, sandy loam. That from old hotbeds is excellent, or sods from an old pasture piled up and allowed to rot for two or three years and then mixed with a little old stable manure and sand. After the seeds are up, care must be taken to give them plenty of air and moisture, yet not too much water, or they will “damp off.” When the young plants are well out of the seed-leaf, they must be transplanted to new boxes. If pots 2 inches or more in diameter can be had, set out from three to a dozen or more of the young seedlings along the edges of the pot, so that as soon as the ground is warm enough they may be easily turned out and planted singly, as by that time they will have made good roots. When pots cannot be had, boxes, tin cans, etc., may be substituted.

A common mistake in sowing flower, as well as other seeds, is covering too deeply. As a general rule, cover only to the depth of the thickness of the seeds; or, with medium-sized seeds, like Balsams, Zinnias, etc., half an inch or so is none too much. Such fine seeds as Portulacas need only to be pressed into the soil with a piece of board or the palm of the hand. Always press the earth down firmly after sowing all flower seeds, else there is danger of their drying up before the roots can get firm hold of the soil. Seeds of the hardier Annuals may be sown where they are to grow; but, as a rule, it is preferable to transplant, as the plants are generally stronger and stand the drought better. During very dry weather, and when the seedlings are first set out, they should be watered frequently. Provide some support for all such Annuals as require it.

The weeds should be kept down and the ground loosened often, so that the plants will receive the full benefit of the rains and dews, which they will not if the ground is allowed to become hard and baked.

Seeds of Biennials and some Hardy Annuals may be sown in July and August in the open and in September in boxes and placed in coldframes. They will make strong plants by spring and flower early. Do not put on the sashes until heavy rains and frosts begin, and then always remove during the day whenever the temperature is above freezing in winter.

HARDY BIENNIALS (hB) and PERENNIALS (hP). These require the same treatment as the Hardy Annuals. In addition to the above, both Hardy Biennials and Perennials may be sown in the open border from July to September; for, if not sown until spring, the seeds of many Perennials require several months, and some even as long as two years before they germinate. In this case, it is a good plan, at the commencement of frost, to cover them lightly with straw, leaves or any dry litter, in order to afford some protection from the extreme severity of the winter. As soon as the frost is out in the spring, remove the covering and loosen the surface around the plants, which when large enough may be transplanted to the flower-garden where they are to remain. The seeds of some species of Hardy Perennials often lie in the ground for six or eight months before germinating, so that patience with them is often unexpectedly rewarded.

HALF-HARDY ANNUALS (hhA).—These may be sown in shallow boxes, pots, or a hotbed, as directed for Hardy Annuals. They may be sown thus at any time after the middle of April, as the hotbed will be sufficient protection; but it is best to cover the glass with a mat or straw at night until danger of frost is past. In the day give all the air possible. After the end of May, sow in the border, like Hardy Annuals.

HALF-HARDY BIENNIALS (hhB) and HALF-HARDY PERENNIALS (hhP) require the same treatment. Though plants and their bloom are greatly forwarded by sowing the seeds early in boxes under cover, it may be stated that nearly all kinds of Hardy and Half-Hardy flower seeds may be sown in the open border in a warm and sunny spot as soon as the soil has become dry and warm; so that those who have no glass frames or greenhouses need not be without flowers. They can have them, but it will be later.

TENDER ANNUALS, BIENNIALS and PERENNIALS.—The best method to obtain an early bloom of the Tender Annuals (tA), and to insure strength to the plants, is to sow the seeds in boxes or pots in March, placing them in a warm greenhouse or plunging in a moderate hotbed, carefully protecting them from the cold, shading from the midday sun, and watering with a fine rose. The seed should be sown in a very light, sandy compost, and the pots well drained by placing broken pots or bits of sod in the bottom. The finer seeds must not be covered more than an *eighth of an inch deep* and the soil pressed down closely over them. Water frequently, particularly if the house or hotbed is very warm. As soon as the plants are out of the seed-leaf, transplant them into shallow boxes or small pots, and when they have acquired sufficient strength, transplant into the flower-beds; not, however, before the middle of May.

GREENHOUSE SEEDS (g) should be sown as directed for Tender Annuals, in pans, pots or shallow boxes, and be kept in the house, carefully watched, slightly watered occasionally, and sheltered from the hot sun till strong enough to transplant. Most varieties may be sown at any season of the year.

The smaller seeds of Greenhouse Plants are sometimes difficult to make germinate unless great care be

taken in the mode of sowing. Hence, the supposition arises that the seed itself is not good, whereas the fault is not in the seed, but in the treatment. Fine seeds of this description should be sown in leaf-mold or peat, with some fine sand added to it; press firmly down in the seed-pan or pot, and make perfectly level at the top so that the mold may not afterward sink materially with watering. Sow the seed very thinly and cover *very lightly* with a little compost or with silver sand. Success is more certain if a pane of glass is placed over the pan or box till the plants have appeared, when it should be removed. By this method the difficulty of starting fine seeds will be removed. As soon as the young plants have two leaves, they should be transplanted into similar compost in another pan or box. To do this, do not pull them out of the seed-pan, but break up the soil by running a stick or trowel under it, when the plants can be taken out with good roots. After transplanting, they should be kept in a shady part of the greenhouse for a few days, and watered very sparingly.

There are many minute plants from the finer seeds killed by drenching with water while very young. One way to avoid this is to give it to them by dipping a clothes-brush in water, shaking off the greater part from the brush, and then (holding the brush over the seed-pan) drawing the hand over the bristles several times; this will cause the water to be thrown on the young plants almost like dew. In the first stage of their existence, plants require moisture in a minute quantity, often repeated, and not in such large quantities as to saturate the soil in which they are growing.

Primula Sinensis.—Sow the seeds in drills in a light, rich soil, in shallow boxes, at any time from the middle of March to the middle of May; the earliest-sown seed will naturally produce the earliest bloom. Cover the seeds about an eighth of an inch, and press the soil on them with a board or the bottom of a pot. Water moderately, avoid forcing the seed, and keep the young plants away from drip. The boxes may be placed in the greenhouse or out-of-doors in a frame. As soon as the plants are well out of the seed-leaf, transplant them singly into 2- or 2½-inch pots, using a light, rich soil. The object now is to make good stocky plants, and they must, therefore, be repotted as often as the pots become tolerably filled with roots, until they are in 5- or 6-inch pots, when they may be allowed to flower. Previous to this, any flower-stalks that appear must be pinched out. In a suitable place, the plants will do better out-of-doors during summer. The plants will bloom continuously during the winter in either the greenhouse or a well-lighted room, not too warm; they should not be moved about often.

Cineraria—This is a rather difficult plant to grow if its requirements are not understood. The mistake generally made is in growing it in a warm house instead of a cool one. The seed should be started in the greenhouse. For winter blooming, sow in April and May in shallow boxes, in fine soil; drop the seed in shallow drills, cover, and press the earth rather firmly with a piece of board or the bottom of a pot. Set the box where it will get the morning sun, but be free from drip; water moderately and carefully. The treatment of seedlings should be similar to that given to *Primula Sinensis*. As soon as the plants are out of the seed-leaf, transplant singly into small pots, in a rich soil with some vegetable mold in it. Repot as often as the pots become moderately filled with roots, or sufficiently often to prevent the roots from becoming pot-bound. If specimen plants are wanted, the repotting should be continued until the plants are in pots from 8 to 10 inches in diameter. The last two pottings should be liberal ones, and drainage well provided for, as the plants will need copious watering. When the flower stalks appear, manure water may be used once or twice a week. Aphis and red spider are to be guarded against; this is best done by frequent syringings or sprinklings overhead. The plants will do best during the summer out-of-doors, in some place where they will not get too much sun, and be free from the drip of trees. In the fall they should be placed in a cool greenhouse, where the temperature can be kept low and the air moist.

Calceolaria.—The seeds are very small, and should be sown on the surface of shallow boxes filled with a light, sandy soil which has been sifted. Sow moderately thick in rows on the surface and cover very lightly with sifted sphagnum moss, cocoanut waste, or very light soil. Press the soil firmly on the seed. The watering should be done carefully; an atomizer or brush is best. To retain the moisture, the box may be covered with panes of glass, which must be removed as soon as the plants appear, however. The box should have plenty of light, but not much sun. As soon as the plants can be handled, transplant singly into pots 2 to 2½ inches in diameter. The soil should be light and rich, and vegetable mold is an excellent addition. Repot as often as the pots are fairly filled with roots, and continue the repotting, if fine flowers are wanted, till the plants are in 8-inch pots. If the plants become root-bound, they are apt to run prematurely into flower. Water regularly and abundantly to prevent drooping. As larger pots are used, drainage must be supplied to carry off the surplus water. Place in a cool greenhouse in the winter, and keep the pots apart to prevent the leaves from touching.

Pansy.—For spring blooming, the seed should be sown in August, September and October, in a cold-frame with a southern aspect. Plenty of air and light is essential. During mild weather the sashes should be removed; when it is frosty, coverings are preferable to artificial heat. If wanted for winter bloom, sow in July and transplant in beds or benches near the glass in the greenhouse in a low and even temperature. *The more expensive sorts and mixtures produce the largest and finest flowers.*

Petunias.—Fill shallow boxes with fine, light soil, say an even mixture of leaf-mold and sand, and wet thoroughly by pouring on boiling water, which kills insects and heats the soil. When the soil has cooled sufficiently, but is still warm, sow the seeds very thinly in the boxes, so that the plants may be 1 inch apart; cover the seeds very slightly with sifted sand, and place slate or glass on top of the boxes. If the white root-points of germination appear before the leaves, sift on more sand, replace the slate, and watch closely. When the small leaves appear, remove slate and give plenty of light, to produce stocky plants. The soil may now need water, which should be applied very gently. Later, the larger plants may be transplanted into other boxes or pots. As the weakest plants frequently give the finest blossoms, every plant should be preserved until the blossoms appear. *For the magnificent large flowers the more expensive sorts should be ordered.*

Selected List of Flower Seeds

Our Complete List of Flower Seeds begins on page 99

We have unquestionably the largest assortment of flower seeds in America, and our strains are far superior to those commonly sold, often under fancy names and at fictitious prices. We avoid extravagant descriptions, meant only to effect sales.

ASTER

(Half-hardy Annual)

One of the best Annuals for cut-flowers

The Aster is of easy culture and very popular. Plants from seed sown in the open ground in May bloom finely in September and October. For July and August flowers, sow in March or April in coldframe, spent hotbed or pots or boxes in the house. Cover the seeds about half an inch deep with rich, light soil, and, when the plants have three or four leaves, transplant about 18 inches apart each way into well-prepared beds. Manures too fresh or used in too large quantities sometimes induce disease in Asters. When used, they should be thoroughly well decayed and mixed with the soil. Small quantities of slaked lime or fresh wood-ashes stirred into the surface of the Aster beds form good tonics for the plants and keep disease and insects from the roots.

DWARF CHRYSANTHEMUM - FLOWERED.

Grows 10 to 12 inches high; large, chrysanthemum-like flowers.

50100 White.....	pkt., 10
50110 Scarlet.....	10
50120 Dark Blue.....	10
50124 Light Blue.....	10
50130 Carmine.....	10
50134 Rose.....	10
50140 Mixed.....	oz., \$2.50.. 10

TRUFFAUT'S PÆONY PERFECTION. Grows

stiffly erect and about 18 inches tall. Remarkable for the brilliant colors of its great incurved flowers.

50180 Amethyst.....	pkt., 10
50184 Sunbeam. Sulphur-yellow.....	10
50190 Snow-White.....	10
50194 Apple Blossom.....	10
50200 Crimson.....	10
50204 Scarlet.....	10
50206 Rose.....	10
50210 Light Blue.....	10
50212 Dark Blue.....	10
50214 Blood-Red.....	10
50220 Mixed.....	oz., \$2.50.. 10

DWARF NON PLUS ULTRA. Beautiful class;

6 inches high; fine for borders.

50260 White.....	pkt., 10
50264 Rose.....	10
50270 Crimson.....	10
50274 Dark Blue.....	10
50280 Mixed.....	oz., \$3.. 10

VICTORIA, Dwarf. Plants bear from 10 to 20

beautifully reflexed flowers in pyramids about 18 inches high. The best sort for pot culture.

50320 White.....	pkt., 10
50324 Rose.....	10
50328 Peach Blossom.....	10
50330 Light Blue.....	10
50334 Dark Blue.....	10
50340 Dark Scarlet.....	10
50344 Mixed.....	oz., \$3.. 10

VICTORIA, Tall. Large flowers, imbricated petals.

50380 White.....	pkt., 10
50390 Rose.....	10
50394 Dark Scarlet.....	10
50400 Light Blue.....	10
50404 Peach Blossom.....	10
50410 Dark Blue.....	10
50414 Mixed.....	oz., \$3.. 10

COMET, Half Dwarf. Outer petals wavyly reflexed

centering in a whorl of shorter curled and twisted ones; forms flowers of extraordinary size and beauty.

50450 Rose.....	pkt., 10
50454 Carmine.....	10
50458 Brick Color.....	10
50460 Light Blue.....	10

Comet, Half-Dwarf, continued

50464 Dark Blue.....	pkt., 10
50470 Snow-White.....	10
50474 Peach Blossom.....	10
50480 Crimson.....	10
50484 Mixed.....	oz., \$2.50.. 10
50490 Giant White.....	10
50494 " Rose.....	10
50500 " Light Blue.....	10
50504 " Dark Blue.....	10



ASTERS

ASTER, continued

Comet, Giant, continued

50510 Giant Crimson	pkt., 10
50514 " Sulphur-Yellow	10
50520 " Mixed	oz., \$2.50 10

QUEEN OF THE MARKET. The best early Aster.
Of graceful, spreading habit. Height, 1½ ft.

50560 White	pkt., 10
50564 Violet-Red	10
50570 Crimson	10
50574 Scarlet	10
50580 Rose	10
50584 Dark Blue	10
50590 Light Blue	10
50600 Mixed	oz., \$2 10

BALL, or JEWEL. Flowers long-stemmed, quite round; desirable for cutting. Dwarf; free-flowering.

50640 White	pkt., 10
50644 Apple Blossom	10
50650 Crimson	10
50654 Dark Blue	10
50660 Light Blue	10
50664 Mixed	oz., \$3 10

BRANCHING. Forms broad bushes, with large, long-petaled flowers, graceful and feathery in effect.

50700 Rose	pkt., 10
50702 Deep Rose-Pink	10
50704 Crimson	10
50706 Indigo-Blue	10
50708 Azure-Blue	10

Branching, continued

50710 Peach Blossom	pkt., 10
50712 Shell-Pink	10
50714 White	10
50716 Pink	10
50718 Flesh Pink	10
50720 Dark Blue	10
50724 Lavender	10
50726 Lilac	10
50730 Mixed	oz., \$2 10

OSTRICH PLUME. Splendid class; fine for cutting.

50820 Dark Blue	pkt., 10
50830 White	10
50840 Rose	10
50850 Mixed	oz., \$2.50 10

HOHENZOLLERN. Valuable for cutting.

50900 White	pkt., 10
50910 Rose	10
50920 Azure-Blue	10
50930 Mixed	oz., \$2.50 10

RAY. Fine for cutting.

51010 White, 51020 Rose, 51030 Blue	each, pkt., 10
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CHRISTMAS TREE. Very fine class.

51040 White	pkt., 10
51044 Crimson	10
51050 Rose	10
51060 Blue	10
51070 Mixed	oz., \$3 10

VARIOUS ASTERS

51130 Mignon. Pure white	pkt., 10
51140 " Dark blue	10
51150 " Crimson	10
51160 Lady Aster (<i>Lady in white</i>). Pure white	10
51170 Triumph. Scarlet	10
51190 Triumph. White	pkt., 10
51200 Snowball. Pure White	10
51214 Waldersee. Rose	10
51220 Mixed German Quilled	oz., 75c 5
51230 Mixed Globe-flowered	10

Collections of Choice Asters

These collections are put up by the famous German Aster-growers, and they contain only seed saved from the very finest plants. In each collection the colors are separate, the collection of 24 Victoria Prize, for instance, containing one packet each of 24 separate and distinct colors of that class.

51300 24 Victoria Prize	\$1 50	51480 6 Pyramidal Dwarf Bouquet	\$0 40
51310 18 " "	25	51490 6 Comet	45
51320 12 " "	90	51494 12 " "	80
51330 6 " "	50	51500 12 Giant Comet	1 00
51340 24 Truffaut's Perfection	25	51510 8 " "	75
51350 18 " "	1 00	51520 6 " "	50
51360 12 " "	75	51540 6 Princess	60
51370 6 " "	45	51550 12 Large Rose-flowered	75
51380 6 Branching	40	51560 6 " "	45
51420 18 Dwarf Chrysanthemum-flowered	1 00	51570 6 Dwarf Queen	50
51430 12 " "	75	51580 12 Imbricated Pompon	75
51440 6 " "	50	51590 6 " "	50
51460 12 Pyramidal Dwarf Bouquet	75	51610 6 Ball, or Jewel	50
51470 8 " "	50		

AGERATUM

For strengthening the garden's color forces in blue, no annual is so good as the Ageratum. Though ordinarily used in bedding and borders, in contrast with such plants as geraniums, perillas, etc., the rose, white and blue sorts are exceedingly attractive, when mingled with alyssum, candytuft, and similar plants. They grow well almost anywhere. The dwarf, blue sorts make fine borders. Sow under glass early in the season, or, later, outdoors, in a mellow seed-bed. Seeds sown in August will produce good plants for winter flowering.

	Oz.	Pkt.
52200 Conspicuum. This and the next are tender perennials; sow early; flowers white; 1 ft..	\$0 10	
52210 Lasseauxi. Rose-colored clusters; 1 ft.		10
52220 Mexicanum (hA). Blue. Parent stock of the hardy annuals below; 1½ ft.	\$0 40	5
52230 " album. White; 1½ ft.	50	5
52240 " Dwarf Blue. 9 in., fine for edgings	40	5
52250 " White. Pretty for contrast; 9 in.; fine for edgings	40	5
52260 " Imperial Dwarf Blue. Excellent for edgings; 9 in.	50	5
52270 " " White. Excellent for edgings; 9 in.	50	5

AGERATUM, continued

		Oz.	Pkt.
52280	Mexicanum, Little Dorrit. Azure-blue. Plants 6 inches high, 1 foot across.....	\$0 75	\$0 10
52290	“ Little Blue Star. Bright blue flowers; fine for carpet-bedding; 5 in....		25
52300	“ Swanley Blue. A fine large-flowered sort; 1 ft.....	50	5
52310	“ Blue Perfection. A very fine dwarf; 9 in.; splendid.....	75	10
52320	“ Princess Victoria Louise. Dwarf light blue; white center.....	75	10
52326	“ capella. Rose-chamois flowers in large clusters; entirely distinct from all other varieties. Dwarf and compact in habit, growing only 9 in. high.		20
52330	“ Mixed. All annual varieties.....	30	5

ALYSSUM

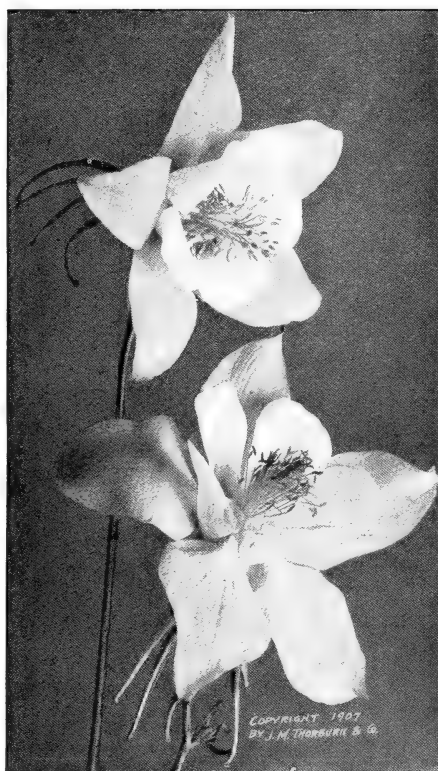
For borders, baskets, pots, rockwork and for cutting. In borders, sow thickly, so as to form masses, early in spring or even the previous autumn. For winter bloom, sow late in August, and thin the seedlings to about a dozen for a good-sized basket. Cut back after the first flowers fade and others will come.

		Oz.	Pkt.
52500	Maritimum (<i>Sweet Alyssum</i>). (hA). Fragrant white flowers all summer.....	\$0 35	\$0 05
52510	“ compactum, Little Gem. Grows erect; 6 in.....	60	10
52520	“ Thorburn's Bouquet. Is very dwarf and compact; best for pots and borders; 3 in.....	2 00	15
52530	“ procumbens, White Carpet. Of trailing habit; flowers profusely.....	40	5
52540	saxatile compactum (<i>Gold Dust</i>). (hP). Single plants easily cover a square foot in a year and produce many hundreds of bright yellow flower-heads. Grayish foliage; 1 ft.	40	5
52550	argenteum. Similar to the above, but dwarfer; 6 in.....	50	10

AQUILEGIA (Columbine) (*Hardy Perennial*)

A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is quite hardy, useful for cutting and elegant in habit. Sow seed in the open ground in spring, preferably where the plants are to grow, and thin to about a foot apart. May also be sown in the fall for flowering the following season. They thrive well with ordinary garden culture, but such rare sorts as *A. cærulea* and *A. chrysantha* do best in partially shaded, well drained nooks. Few hardy perennials are so easily grown from seed.

52900	Canadensis. Scarlet and yellow; very fine. pkt.	10
52910	caryophylloides. Oddly striped with red and white; 1½ ft.	15
52920	chrysantha. Golden yellow; flowers large, long-spurred; 3 ft.	10
52930	cærulea (<i>Rocky Mountain Blue Columbine</i>). One of the most beautiful of our native flowers. Sepals deep blue, petals white; 3 ft.	15
52940	“ hybrida. Large-flowered, long-spurred hybrids	15
52960	Jætschaui. Large-flowered yellow; long, red spurs.	10
52970	flabellata nana alba. White flowers; early; 1 ft.	10
52980	glandulosa vera. One of the handsomest hardy perennials in cultivation; stems 2 feet high, with sometimes 50 to 80 blossoms over 3 inches in diameter, of the deepest blue, with pure white corolla; a splendid flower.	25
52990	truncata. Dwarf; scarlet and yellow; 1 ft.	25
53000	Skinneri (<i>Mexican Columbine</i>). Very handsome and quite distinct; spurs and sepals long, crimson and light green; 3 ft.	25
53010	Long-spurred Hybrids, Mrs. Scott Elliott's Strain. Magnificent Hybrids.	25
53020	vulgaris, Double White. Showy and lasting; 2 ft.	10
53030	“ “ Mixed. Best colors.	5
53040	“ Single Mixed. Many good sorts.	5
53070	Collection of Aquilegia, including 12 choice varieties.	60



AQUILEGIA



DOUBLE BALSAM

BALSAM (Impatiens Balsamina) hhA

A native of India, the garden Balsam loves hot sun, rich soil and plenty of water. The young plants are quick, sure growers, and, from seed sown in the open ground in May, soon form handsome bushes thickly massed with large, rose-like flowers. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double. Balsams are not often given room for perfect development; they will easily cover 12 to 18 inches of space each way. For the finest flowers, choice seed is more than usually essential. We offer only the finest *double* sorts, most carefully selected.

	Oz.	Pkt.
53400 Double White	\$0 70	\$0 10
53410 " Peach Blossom	70	10
53420 " Carmine	70	10
53430 " Lavender	70	10
53440 " Rose	70	10
53450 " Bright Scarlet	70	10
53460 " Red, Spotted White	70	10
53480 " Pale Yellow	70	10
53490 Camellia-flowered White . Flowers of extra size, double and full-centered, with reflexed petals.....	1 00	10
53500 Camellia-flowered Mixed . Best colors...	75	10
53510 Finest Double Mixed	60	10
Collections of Balsams, including—		
53550 6 varieties Improved Camellia-flowered...		40
53560 12 varieties Double Rose-flowered.....		65
53570 6 " " ".....		35

CALENDULA

Hardy annuals about a foot high. The seed may be sown in the open ground early in spring, and the plants will bloom early in summer, and continue until late in autumn. The flowers exhibit every shade of yellow from ivory to deep orange, are produced in great profusion, and are strongly effective in beds, borders or backgrounds. The dried flowers are sometimes used for flavoring soups and stews.

	Oz.	Pkt.
54200 officinalis (<i>Pot Marigold</i>). Rich orange.	\$0 20	\$0 05
54210 " grandiflora . Large-flowered...	25	5
54220 " " sulphurea . Light yellow; large-flowered.....	25	5
54230 " Nankeen . A rich, soft shade...	25	5
54240 " Meteor . Creamy center, edged with orange.....	25	5
54250 " Prince of Orange . Glittering orange and yellow.....	25	5
54260 " ranunculoides (<i>Garden Marigold</i>). Double flowers.....	25	5
54270 " pluvialis (<i>Cape Marigold</i>). White or ivory.....	25	5
	30	5

54280 **officinalis Pongei fl. pl.** Handsome, double white flowers..... 30 5

See also *Marigold*, pages 80 and 81

CALLIOPSIS

This annual is another of the garden's great forces in yellow, strengthened with rich red-maroons and browns. Sow in the open ground in spring, and, in thinning or transplanting, give the plants plenty of room to spread. Their tall, slender habit makes neat staking and tying necessary. Fine for cutting.

	Oz.	Pkt.
54310 bicolor (<i>tinctoria</i>). Yellow-brown. 2 feet.....	\$0 30	\$0 05
54320 " nana radiata (<i>Ray of Gold</i>). 6 to 8 in. Golden yellow flowers with dark purplish brown centers. Profuse bloomer.....	50	10
54330 " nana marmorata . Maroon and gold; 1½ ft.....	30	5
54350 hybrida superba . Very showy hybrids in great variety.....	50	10
54360 coronata . Yellow; very fine; 1½ ft.....	30	5
54370 cardaminifolia . Red and yellow; 1½ ft.....	30	5
54380 Drummondii (<i>Golden Wave</i>). Gold and brown; 1 ft.....	30	5
54400 bicolor hybrida fl. pl. Mixed; 1 ft.....	30	5
54410 Mixed Annual Sorts	25	5
54450 Collection of Calliopsis , including 10 varieties.....		40

SEE GENERAL LIST OF FLOWER SEEDS ON PAGES 99 TO 119

COREOPSIS

- 54560 **grandiflora** (hP). Large flowers Oz. Pkt.
of rich yellow; 2 ft. \$0 50 \$0 10
- 54570 **lanceolata grandiflora** (hP). Large
golden yellow flowers; fine for
cutting. 75 10
- 54580 **California Sunbeams** (hP). Flowers
very large, in a great variety of
beautiful forms and various shades
of yellow and brown; 1 ft. 50 10

CAMPANULA

(*Canterbury Bells*)

These fine old plants are rich in color, profuse in bloom, and of easy culture. For outdoor effects, when planted in quantity, they are glorious, and finest full-bloom specimens of such varieties as *C. calycanthemum* can be transplanted to pots for house decoration by soaking the soil about them with water and lifting with a ball of earth. Sow seed of biennials outdoors early in July and thin or transplant to temporary quarters until October. Transplant, then, 6 or 8 inches apart, in a coldframe, where they will make large plants by spring. They are as easily cared for as pansies. The old practice of covering Canterbury Bells with leaves through winter is not satisfactory. Transplant in spring, 18 to 20 inches apart, in beds where they are to bloom. In June and July they flower most profusely, and are in fine form a long time. They also make beautiful pot-plants for Easter. If sown early in good soil, the hardy perennials will bloom early the next year. All the varieties like a rich, sandy soil with good drainage.



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CAMPANULA

- 54600 **Carpatica** (hP). Deep blue; 6 in. Oz. Pkt.
For rockeries, beds and edgings. \$0 50 \$0 10
- 54610 **Carpatica alba**. Flowers white; 6 in. \$0 50 \$0 10
- 54630 **Medium Blue** (*Canterbury Bells*). (hB). Blooms first year if sown early; 2 ft. 50 10
- 54640 “ **White**. Pretty for contrasts. 60 10
- 54650 “ **Rose**. 60 10
- 54660 “ **Striped**. Very fine. 50 10
- 54670 “ **Mixed**. 40 5
- 54680 “ **Double Blue**. Rich, heavy curious flowers through summer and fall. 10 10
- 54690 “ **Double White**. Waxy appearance. 10 10
- 54700 “ **Double Rose**. 15 10
- 54710 “ **Double Mixed**. 10 10
- 54720 “ **calycanthemum** (*Cup and Saucer*) (hB). Blue; symmetrical; often has 35 to 40
flowers open at the same time on a single plant. For pots or borders. 2 ft. 10 10
- 54730 “ **calycanthemum alba**. A white-flowered variety of the above. 10 10
- 54740 “ **calycanthemum Mixed**. Shades of blue and white. 10 10
- 54750 “ **Prize Mixture** of all colors, and Single and Double Calycanthemum; unequalled. 1 25 15
- 54760 **amabilis** (hP). Light blue flowers, nearly 2 inches in diameter. On stems 2 to 3 feet high. 25 25
- 54764 **glomerata acaulis** (hP). Beautiful dark blue flowers. Fine for pots and for rockwork.
July and August. 20 10
- 54770 **macrostylos**. Large, lovely violet flowers; 3 ft. Hardy annual. 15 10
- 54780 **Loreyi**, Blue. Very pretty hardy annual. 10 10
- 54790 **nobilis alba**. White; semi-double; 2½ ft. June. Hardy biennial. 25 10
- 54800 **persicifolia grandiflora**, Blue (hP). Hardy perennials, with superb, large flowers; for
finest effects plant the blue and white varieties together;
2 to 4 ft.; June and July. 25 25
- 54810 “ “ **alba**. A white-flowered variety of the above. 25 25
- 54820 “ “ **Fine Mixed**. 25 25
- 54830 **pyramidalis** (*Chimney Bellflower*) (hhP). Spikes 3 to 4 ft. tall, erect, pyramidal; flowers
large and of a beautiful blue; blooms in late summer and autumn. 80 10
- 54840 “ **alba**. White. 80 10
- 54850 **grandiflora Mariesii** (hP). A fine dwarf dark blue variety, growing 1 foot high. 10 10
- 54860 “ “ **macranthum** (hP). Dwarf habit; rarely exceeds 3 feet in height;
bright blue flowers 3 to 5 inches across; lives eight to ten years. 10 10
- 54870 **Vidali** (gP). White; very floriferous. 2 ft. 15 10
- 54900 **Collection of Campanula**, including 12 varieties choicest perennial sorts. 75 10

SEE GENERAL LIST OF FLOWER SEEDS ON PAGES 99 TO 119



CELOSIA, OSTRICH FEATHER

CELOSIA PLUMOSA (LA)

Beautiful foliage plants blooming in late summer and autumn, and producing large, showy plumes, curled and curved, much resembling ostrich feathers. See illustration.

54950 **Ostrich Feather, Crimson**..... pkt., 10

54960 " " **Orange**..... 10

54980 **PRIDE OF CASTLE GOULD**. See Novelties... 25

For other Celosia, see page 103, and for Cockscomb (*Celosia cristata*), see page 74

CANDYTUFT (Iberis)

The Candytufts are among our best flowers for edgings, bedding, massing or rockeries, and for cutting. Several of the varieties are fragrant, and all are profuse in bloom. Sow outdoors in April, and thin well when the plants grow about an inch. Sow again in a month, and late in July for fall flowers. Give rich soil and water freely.

55000 **affinis, Dwarf** (hA). Neat and pretty bedder; 6 in.oz., 25c., pkt. 5

55010 **amara** (hA). White; 1 ft.oz., 25c. 5

55020 **coronaria** (*Rocket Candytuft*) (hA).

Of candelabra form; flowers in upright spikes.oz., 25c. 5

55030 **coronaria, Empress**. White. 1 ft.

oz., 25c. 5

55040 **coronaria, Little Prince**. Very

large heads of pure white flowers.

Fine for border and pots; 6 in.oz., 75c. 10

55050 **coronaria, Giant Hyacinth-**

flowered. White....oz., 50c. 10

55060 **odorata** (hA). Small, white, fra-

grant flowers.oz., 20c. 5

55070 **umbellata** (hA). Purple; 1 ft.

oz., 25c. 5

55080 " **carnea**. Flesh-colored;

1 ft.oz., 50c. 10

55090 " **Dunnetti**. Dark crim-

son; 1 ft.oz. 25c. 5

55100 **umbellata lilacina**. Lilac; 1 ft.oz., 25c. pkt. 5

55110 " **carminea**. Bright carmine; 1 ft.oz., 60c. 10

55120 " **Queen of Italy**. Dwarf, erect; fine pink flowers; 6 in.oz., 50c. 10

55130 " **Dwarf Hybrids**. Mixed colors; 6 in.oz., 75c. 10

55140 **Mixed Annual Sorts**....oz., 20c. 5

55160 **Collection of Candytuft**. 6 varieties

choicest annual sorts 30

PERENNIAL CANDYTUFT. Hardy, evergreen

plants, making a magnificent showing the second year from seed. They bloom very early,

cushioning rock ledges, borders, etc., with banks of bloom. Sow outdoors in spring or fall in any sunny place.

55170 **Sempervirens**. White flowers remain fresh nearly a month; 1 ft.pkt. 15

55180 **Gibraltarica**. Beautiful blush-white; 1 ft. 15

55190 **semperflorens**. A handsome, but somewhat delicate evergreen perennial, with large pure white sweet-scented flowers. Not suitable for border culture, though hardy enough to stand our winters when grown at the foot of a south wall or in a very sunny corner of the rock-garden. 15



CANDYTUFT.



CARNATION

(*Dianthus Caryophyllus*)

The splendid Carnation of the florist is a very interesting plant to grow from seed, and it is not over-exacting. Sown under glass in early spring, or later in the open ground, the plants will flower finely the second summer. For largest, richest flowers, we recommend culture in pots of rich soil. With many they are also garden favorites, and, grown in this way, flowers of good quality may be enjoyed all summer if given plenty of water, good soil and a mulch about their roots. With tall varieties, staking and tying is necessary. Young plants are perfectly hardy outdoors, but when two or three years old they are injured by winter cold, so that sowings should be made every year. *The more expensive sorts produce the finest flowers. The prices we quote, although seemingly high, are most reasonable for strains such as we offer.*

MARGARET CARNATIONS are an extra-vigorous race, especially adapted for outdoor culture. They are very neat in habit, and remarkable for their rich profusion of flowers, produced in five months from sowing. For masses of bloom, few plants are finer; they are also very suitable for pots. Grown as annuals from seed sown every spring, they are most satisfactory. Our seed of these varieties is grown exclusively in the famous Chabaud Garden of Carnations, Provence, France.

- 55310 **Margaret, Double White.** Large, perfect flowers; $1\frac{1}{2}$ ft. pkt., 10
 55320 “ “ **Yellow.** A clear, soft shade; $1\frac{1}{2}$ ft. 25
 55330 “ “ **Tall Mixed.** 2 ft. oz., \$1. 10
 55340 “ “ **Half Dwarf Mixed.** $1\frac{1}{2}$ ft. oz., \$1.25. 10
 55350 **Giant Margaret.** Extra large and perfect flowering, in a rich variety of colors, including yellow; 80 per cent of the flowers generally come double; 1 ft. 25

PERPETUAL CARNATIONS. This race has large, elegantly formed flowers, continually abloom upon closely branched, symmetrical plants, often called, from their near habit, “Tree Carnations.”

- 55380 **Chabaud Perpetual Double.** Mixed, yellow, red, white, etc.; $1\frac{1}{2}$ ft. Blooms in 7 mos. pkt., 25
 55390 “ “ “ **Choicest Mixed.** 25
 55400 **Dwarf Perpetual (Tige de Fer).** Real iron stem. 1 ft. 50
 55410 **Marie Chabaud.** Pure canary-yellow; the most beautiful and most fragrant yellow. 50
 55420 **Comtesse de Paris.** Very dwarf; yellow; comes true from seed. 50
 55430 **Jeanne Dionis.** Enormous flowers of the purest white and most perfect form. 50
 55440 **Sparkling (Etincelant).** Bright, glittering red of surpassing richness. 50
 55450 **Giant Perpetual White.** Very large, perfectly double; flowers in seven months after sowing... 50
 55460 “ “ **Yellow.** Eighty per cent comes true to color; creamy to golden yellow. 50
 55470 “ “ **Red.** Beautiful shade; large flowers. 50
 55480 “ “ **Fine Mixed.** Enormous flowers, perfectly double; splendid colors. 50

SEE GENERAL LIST OF FLOWER SEEDS ON PAGES 99 TO 119



CENTAUREA

- CARNATIONS, continued**
BORDER CARNATIONS, ETC.
We invite attention to the splendid collection below—
55510 **Red Grenadine, Double** Brilliant scarlet; 2 ft. . . . pkt., 25
55520 **Enfant de Nice (Improved Giant-flowered).** All colors. Flowers in six months from seed. 25
55530 **Early Dwarf Vienna, Double Mixed.** Fine for garden culture and for cutting; 1 ft. . . . 10
55540 **Early Dwarf Vienna, Double White.** Very fine; always comes true white. 10
55544 **Fine Double Mixed Variegated.** Splendid mixture. 15
55550 **Fine Double Mixed.** Many colors. 2 ft. . . . 10
55560 **Double Mixed.** Oz. \$1.25 5

- Choice Collections of Carnations**
55620 50 varieties. \$3 00
55630 25 varieties. 1 50
55640 18 varieties. 1 25
55650 12 varieties. 1 00
55660 6 varieties. 65

CENTAUREA

C. Cyanus, the popular Cornflower is also known as "Blue Bottle," "Ragged Sailor," "Kaiser Blumen," and, sometimes, as "Bachelor's Button." These are bright-flowered plants of hardiest nature and simplest culture, yet among the most attractive and graceful of all the old-fashioned flowers.

- PERENNIAL FLOWERING.** A dry, sandy soil of moderate fertility seems to suit them best. Oz. Pkt.
55800 **macrocephala.** Flower-heads large, showy, bright yellow; 3 ft. \$0 75 \$0 10
PERENNIAL SILVER-LEAVED. These are used for borders or edgings, and thrive anywhere. Flowers white, leaves grayish; height 1 ft.; half-hardy.
55810 **candidissima.** I 25 10
55820 **Clementei.** I 00 10
55830 **gymnocarpa.** 75 10
HARDY ANNUALS. Flower finest in full sun and thin soil. Sow in open ground in spring.
55840 **Americana.** Large, lilac-purple flowers; bushy plants; very fine. 60 10
55850 **imperialis, White.** } Very large-
55860 " **Lilac.** } flowered {
55870 " **Yellow** } hardy {
55880 " **Mixed.** } class. { 75 10
55890 **odorata, Chameleon.** Yellow and rose; fragrant; superb. 10
55900 " **Margaritæ.** Pure white, 2½ inches across, laciniated and scented; forms stocky, well-budded little bushes. 1½ ft. I 00 10
55910 **moschata (Purple Sweet Sultan).** 30 5
55920 " **alba (White Sweet Sultan).** 40 5
55930 " **Mixed. (Mixed Sweet Sultan).** 30 5
55940 **suaveolens (Yellow Sweet Sultan).** Fine. 40 5
55950 **Cyanus (Cornflower).** Blue. 25 5
55960 " **Emperor William.** Blue; 1½ ft. 25 5
55970 " **Rose.** Distinct shade; 1½ ft. 25 5
55980 " **Victoria, Dwarf Compact.** 9 in.; for pots and edgings; azure-blue. . . . 60 10
56000 " **Mixed.** 25 5
56010 " **Double Mixed.** 30 5
56020 " **Mixed Dwarf Hybrids.** Fine. 60 10
56060 **Collection of 6 varieties of C. Cyanus (Cornflower).** 25

CHRYSANTHEMUM

Do not confound these annuals with the winter-flowering sorts of the florists. They bloom profusely from early summer until frost, and, when grown in large beds or masses, their bright colors make a splendid show. The plants can be brought into bloom early by sowing the seeds in frames or window-boxes, and afterwards transplanting to the garden; or seed may be sown where the plants are to flower, if the seedlings are thinned to 8 or 10 inches apart. A little pinching back in early growth makes the plants bushy and shapely. All are fine for cut-flowers. Average height, 1 to 1½ ft. For the magnificent large-flowered sorts, the more expensive packets should be ordered.

		Oz.	Pkt.
56200	Coronarium, Double White.....	\$0 30	\$0 05
56210	“ “ Yellow. The flowers are perfect bosses of gold.....	30	5
56220	“ “ sulphureum. Pale yellow.....	30	5
56230	“ “ imbricatum, Yellow.....	60	10
56240	“ “ Mixed. Yellow, white, etc.....	30	5
56250	Tricolor, White. Tricolor sorts have beautiful rings and eyes of color.....	40	5
56260	“ Yellow.....	40	5
56270	“ Scarlet. Dark and rich.....	40	5
56280	“ Golden Feather. Foliage rich yellow; flowers bright red and white.....	50	10
56290	“ Eclipse. Yellow, with velvety brown band.....	50	10
56300	“ Burridgeanum. Crimson-maroon, with white edge and inner circle.....	40	5
56310	“ Northern Star. Giant white flowers, with black centers.....		10
56320	“ Mixed, Single. All colors.....	40	5
56330	“ Double Golden, (Dunnetti). Fine.....	75	10
56340	“ Double White (Dunnetti).....	60	10
56350	“ “ hybridum, Mixed (Dunnetti).....	85	10
56360	“ “ Golden-leaved Sorts. A mixture of beautiful yellow-leaved sorts; flowers of various bright, vivid colors.....	I 00	10
56370	“ Single and Double Mixed.....	50	10
56380	“ Double, Mixed.....oz., 8oc., pkt. 10		
56390	multicaule. An exceptionally fine little bedder; flowers yellow; 3 in.....		5
56400	segetum, Morning Star. Large yellow flowers; excellent for cutting.....		10
56404	“ White Star. Beautiful large white flowers with dark centers.....		15
56410	“ Helios, Evening Star. Fine for cutting; pure golden yellow flowers of gigantic size.....		10
56420	inodorum, Double. Pretty white flowers fine for cutting; 1 ft.....		10
56440	frutescens (Paris Daisy, or Marguerite) (hP). Beautiful for cutting and pot culture; long-stemmed single white flowers, with golden centers.....oz., 60c....		10
56480	Collections, including 12 varieties Chrysanthemum, Annual.....		50
56490	Collections, including 6 varieties Chrysanthemum, Annual.....		30
PERENNIAL VARIETIES. This section includes the large-flowered sorts, and the pretty, hardy Pompons that make bright masses of color in our gardens long after heavy frosts have cut down other flowers. We wish to make quite clear the distinction between this class and the Annual Chrysanthemums described above, so that, as has sometimes happened heretofore, customers may not order seed of the summer-blooming garden varieties expecting them to yield the grand show flowers of late fall which are obtained from cuttings carefully cultivated. For ordinary culture and room decoration, plants pinched back to form a number of branches, and holding from five to ten flowers, are satisfactory. Average height of show kinds, 3 feet.			
56550	Indicum, Double. Will produce superb flowers of different types and colors.....		pkt., 25
56560	“ Pompon. The pretty hardy dwarfs, with bright clustered flowers; 1½ ft.....		25
56570	Japonicum fl. pl. From Finest Flowers. An extra-choice mixture.....		25



ANNUAL CHRYSANTHEMUMS

CLARKIA

One of the prettiest and showiest of hardy annuals. The plants bloom so freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight. They are useful, too, for hanging-baskets, for vases and as edging plants. Sow outdoors in early spring and grow in partial shade. They bloom through midsummer to late autumn. Average height, 1½ ft.

elegans—			Oz.	Pkt.	pulchella—			Oz.	Pkt.
56800	rosea.	Rose.....	\$0 50	\$0 05	56860	rosea.	Rose.....	\$0 30	\$0 05
56810	"	Double. Rose.....	65	10	56870	alba.	White.....	30	5
56820	alba,	Double. White.....	65	10	56880	marginata.	White-edged....	40	10
56830	Single Mixed.....		50	5	56890	White Tom Thumb.....		40	10
56840	Double Mixed.....		65	5	56900	Mixed.....		30	5
56850	Double and Single Mixed...		65	5					



COSMOS.

COSMOS

One of the notable fall flowers. A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness, heightened in effect by their foliage-setting of feathery green. It is most effective when planted in broad masses, or long background borders against evergreens or fences. From seed started early in the house or frame, the plants will flower profusely in late June or early July. If topped when half-grown, they will bloom quicker, the check seeming to induce earlier flowering. We offer only the choice large-flowering strains. *To make sure of flowering early, Cosmos should be started indoors and transplanted into dry, sandy, or poor soil, in a sunny situation.*

57680 EXTRA EARLY FLOWERING, MIXED. Earliest of all. This new strain will produce flowers in July from seed sown in the open ground in May. Grows 4 ft. tall. .oz. \$1. .pkt. 15

57700 Lady Lenox. Lovely large, shell-pink flowers of great substance.oz. 50c., pkt. 10c.

		Oz.	Pkt.
57742	Mammoth Perfection, Conchita. Crimson.....	\$0 50	\$0 10
57744	" " Erlinda. White.....	50	10
57746	" " Rosita. Pink.....	50	10
57748	" " Mixed.....	40	10
57750	Klondyke. Orange-colored.....	1 25	10
57760	Tints of Dawn. Handsome, white flowers slightly tinged with rose.....	75	10
57770	Marguerite. Petals deeply and irregularly fringed; in various bright colors.....	75	10
57780	Striped. Charming and distinct; large white centers, and petals deeply striped white..	1 00	15

COCKSCOMB (*Celosia cristata*. hhA)

We prize and plant the Cockscomb as an odd and picturesque decorative feature of the garden. The bright red and crimson varieties are most effective, both in gardens and in winter bouquets, for which they are cut before fully ripe and dried in the house. The dwarf varieties make novel and attractive borders; the tall ones form striking groups. Transplanting into rich soil about the time the combs begin to form makes the flower-heads much larger. They are bright from midsummer until frost.

57850	Glasgow Prize. Dark leaves and crimson combs; 1 ft.....	pkt. 10
57860	Dwarf Bright Red. A miniature plant, with enormous combs of intense bright red.....	10
57870	" Dark Yellow. Yellow combs.....	10
57874	" Light Yellow.....	10
57880	" White. White combs.....	10
57890	" Crimson.....	10
57900	Mixed. Extra-large combs.....	oz., 80c. 10

For Celosia plumosa, see page 70, and for other sorts, see page 103

DAISY

(*Bellis perennis*, etc. hP)

These favorite perennials may be sown in February or March in shallow boxes of light rich soil, covering the seeds to about three times their own thickness and pressing soil firmly over them. Keep in a warm window, hotbed or greenhouse. When well out of the seed-leaf, transplant to new boxes, and set out in the open ground when danger from frost is past. Or, sow in beds outside in August or September; protect with straw or litter over winter, and transplant to their permanent position in the spring.

	Oz.	Pkt.
58400 Double White (Snowball)	\$2 50	\$0 10
58410 " Red	2 50	10
58420 " Rose (Longfellow)	2 50	10
58440 " Mixed. Very fine	2 50	10
58444 " maxima alba. Extra large. White		15
58448 " " rubra. Extra large. Red		15
58450 " Mixed. Extra large	3 50	15
58480 Shasta Daisy. Very large; white, single flowers on long stems.....	2 00	10

DELPHINIUM (Larkspur)

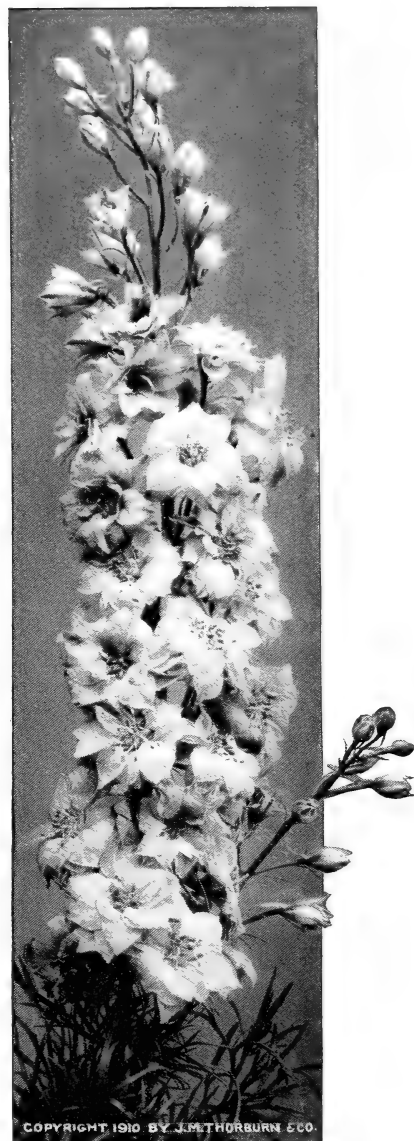
In variety and beauty of its blue tints, which are as numerous as they are charming, no other plant can equal the Delphinium. The brilliant flowers can be seen from a long distance and are strongly effective in beds or masses, in borders, shrubberies, or in combination with white lilies. Ordinarily, the tall sorts are planted among shrubbery, or as a background for dwarfs, which are favorites for bedding. Improvements are continually being made in the size of the flowers, as well as in the length and fullness of the spikes. Some of the species flower both early and late; the season for all can be prolonged by cutting away withered flower-stems. They are sometimes increased by division, but are much more robust when grown from seed. All varieties are easily cultivated and adaptable to many conditions, but in a soil deeply dug, and well enriched with fine old manure, their blooms are the finest. They must have plenty of room to grow; 1½ to 2 feet each way is not too much for the taller sorts.

ANNUAL VARIETIES. These include the Rocket and Hyacinth-flowered, so called from their long, narrow flower-spikes. They bloom best in a rather cool, moist soil. Sow seed in the open border, either in spring or fall, preferably the latter, so that germination may take place very early in the spring. As the seedlings grow, thin them to stand 6 to 18 inches apart, according to variety. The shades of color include light, dark and azure-blue, white, buff, rose, apple-blossom, pink, brick-red, red-lilac, dark lilac, violet and fawn. The varieties are seldom kept separate, as they are quite as pretty and convenient for cutting when sown in mixture. Some of these are really hardy biennials, but, because they bloom the first season, we treat them as hardy annuals.

	Oz.	Pkt.
58600 Ajaxis Dwarf Rocket. Finest colors; beautiful for bedding; 1 ft.....	\$0 30	\$0 05
58610 " Tall Rocket. Long, showy spikes; 2 ft	30	5
58620 " Ranunculus-flowered. Double; colors fine; 2 ft.....	30	5
58630 " Tall Branching. Choice mixed; 2 ft	\$0 30	\$0 05
58640 cardiopetalum. Beautiful blue flowers; 1 ft	30	05
58650 Emperor, Branching Rose. This and the next are splendidly bright and showy, often giving 40 to 50 erect spikes of flowers; 2 ft.....	65	10
58660 " Branching White. Beautiful for cutting	65	10
58664 " Branching Mixed	60	10
58670 Newport Rose. A rose-colored and very beautiful free-flowering sort. If sown outdoors in spring, it will bloom by first of August; 2 ft.....	60	10

PERENNIAL VARIETIES. These are usually taller than the annuals, requiring more space between the plants. If sown in the fall or very early spring, nearly all will bloom the first season. Foliage clean and pretty; habit strong and neat; flower-spikes long and dazzling.

58680 Barlowi. Large, dark blue flowers; extra fine	pkt.,	25
58690 Brunonianum. Lovely blue, musk-scented flowers; very distinct; 3 ft		25
58700 cardinale. Orange-scarlet. A California native; 2 ft		20
58710 Cashmerianum. Spreading, many branched; flowers often 2 inches wide; deep purplish blue; 3 ft.....		25



DELPHINIUM

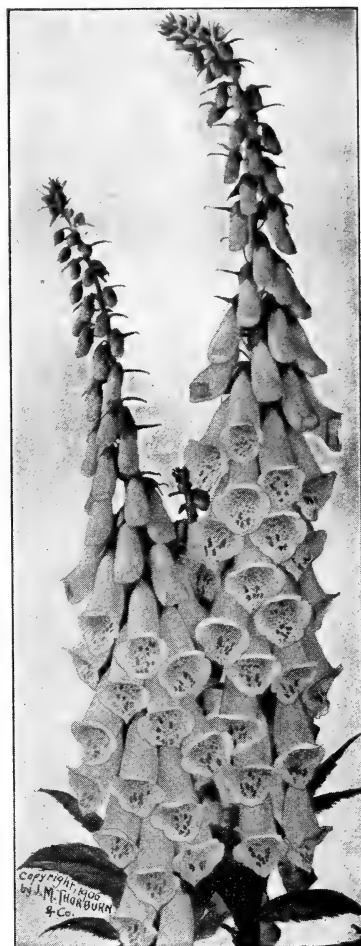
FORGET-ME-NOT, continued

- 59700 *Myosotis alpestris*. A pretty trailer, with blue flowers.
oz., 60c...pkt., 10
- 59710 " " **Indigo-Blue**. Like the above, but
with indigo-blue flowers. oz., \$1... 15
- 59720 " " **rosea**. Rosy flowers; pretty contrast
with blues and whites. oz., 75c... 10
- 59730 " " **alba**. White; pretty... oz., 75c... 10
- 59740 " " **elegantissima**. Blue; leaves white-
edged; very attractive... oz., \$1... 10
- 59750 " " **nana coerulea**. Very dwarf; com-
pact; sky-blue... 15
- 59760 " " **robusta grandiflora (Eliza Fon-
robert)**. Grown extensively for
cutting. Large sky-blue florets
with yellow eye, in large clusters.
oz., 75c... 10
- 59770 " " **Victoria**. Strong-growing; dwarf
habit; flowers large, globular, sky-
blue, abundant; fine for pots and
for cutting... 15
- 59780 " " **Mixed**... oz., 60c... 10
- 59790 **hybridus, Star of Love**. A distinct, dwarf variety, with
large, beautiful blue flowers... 25
- 59794 " **Ruth Fischer**. Pure Forget-Me-Not blue.
See Novelties... 25
- 59800 **Azorica**. Dark blue, with white eye; 1 ft... 25
- 59810 " **coelestina**. Beautiful light blue; 1 ft... 25
- 59820 **dissitiflora**. Blooms very early; flowers blue... 25
- 59830 **palustris (True Forget-me-not)**. Blooms the second year
abundantly all season... 10
- 59840 **sylvatica**. Blue, with yellow eye; likes dry soil; 1 to 2 ft. 10

FOXGLOVE

(Digitalis)

The tall flower-spikes of the Foxgloves, often 2 to 3 feet long, are particularly handsome when grown among shrubbery, or in bold masses. Used as a background for lower plants, they are very fine. Seed may be sown outdoors in spring and the seedlings transplanted where they are to grow, or, preferably, to a coldframe, where they make extra-strong plants, that will flower in magnificent spikes the next season. They are most satisfactory when treated as biennials, sowing the seed every year in rich, deep soil and partial shade. Average height, 2 to 3 feet. When the center spike begins to fade it should be cut out and the side shoots will grow more vigorously.



FOXGLOVE

- 60000 **Purple**. Best known... oz., 30c...pkt., 5
- 60010 **White**. Fine and attractive... oz., 50c... 5
- 60020 **Yellow, Large-flowered**. Long racemes of bell-shaped blossoms. Dwarf... oz., 40c... 5
- 60030 **Rose**... oz., 50c... 5
- 60040 **Mixed**... oz., 30c... 5
- 60050 **gloxinoides, White**. Very handsome gloxinia-like flowers; robust; beautiful for cutting... 10
- 60060 " **Purple**... 10
- 60070 " **Rose**. Bright and showy... 10
- 60080 " **Mixed**. All the choice colors... oz., 60c... 10
- 60090 **maculata superba**. Splendid spotted strain... oz., 75c... 10
- 60100 **monstrosa, Splendid Mixed**. Very large, bell-shaped flowers of exquisite beauty, borne on
long spikes; 4 ft... 10
- 60140 **Collection** including 12 varieties of **Foxglove**... 50

GAILLARDIA

(Blanket Flower)

Showy and free bloomers, flowering profusely all summer. They are good bedders; fine for bouquets and for house decoration. They do best in a good light soil and in an open sunny situation.

- 60250 **Amblyodon (hA)**. Fine red... pkt., 5
- 60260 **grandiflora maxima (hP)**. Golden yellow. Flowers first season if sown early; 2½ ft. oz., 60c... 10
- 60280 " **Extra-fine Mixed (hP)**... oz., 40c... 10

GAILLARDIA, continued

60284	<i>grandiflora</i>	semi-plena Mixed (hP). Superb; very large-flowering varieties.....	pkt., 15
60290	<i>picta</i> (hA).	Red and yellow.....	oz., 25c... 5
60300	<i>Lorenziana</i> .	Double mixed.....	oz., 40c... 5
60310	"	<i>Salmonea</i> . Salmon-red; fine.....	oz., 30c... 5
60314	"	"The Bride." A splendid new variety producing very double pure white flowers, borne on long stems, making it an ideal plant either for bedding or for cutting.....	30
60320	"	Mixed.....	oz., 25c... 5
60350	Collection, including best 6 annual varieties.....		25



DOUBLE HOLLYHOCK

GODETIA

Choice, free-blooming annuals, with widely opened flowers of satiny texture, and of the most delicate and lovely colors. They are beautiful for solid beds, border lines, for pots, and for growing in shaded places, where so few really fine flowers will flourish. Sow seed in the open border in spring, or in a coldframe, and transplant seedlings to stand about a foot apart in rather thin soil. *Fine for cut-flowers*. Average height, 1½ ft.

60800	<i>Rosamond</i> .	Large, glossy pink. pkt., 10
60810	<i>Princess of Wales</i> .	Dark crimson... 5
60820	<i>Lady Satin Rose</i> .	Bright carmine... 5
60830	<i>Fairy Queen</i> .	Large, white flowers, with carmine spots..... 5
60840	<i>gloriosa</i> .	Darkest red; dwarf..... 5
60850	<i>grandiflora maculata</i> .	Great white flowers, blotched with carmine..... 5
60854	<i>rubicunda splendens</i> .	Brilliant red; fine..... 5
60860	<i>White Pearl</i> .	Beautiful glossy white. 5
60870	<i>The Bride</i> .	White, with blush spots. 5
60880	<i>Duchess of Albany</i> .	Satiny white... 5
60890	<i>Lady Albemarle</i> .	Dark crimson... 5
60900	<i>Lady Albemarle compacta</i> (Dwarf)	Dark crimson..... 10
60910	<i>Lindleyana</i> .	White and red..... 5
60920	<i>Bijou</i> .	Of dwarf, bushy habit; lovely blush color..... 5
60930	<i>Whitneyi</i> .	Compact; superb, rosy flowers, blotched crimson; elegant pot-plant..... 5
60940	<i>Whitneyi Brilliant</i> .	Carmine; very showy..... 5
60950	Mixed, Tall Varieties..... oz., 30c... 5	
60960	Mixed, Dwarf Varieties... oz., 40c... 5	
60990	Collection of Godetias, including 6 choice varieties..... 25	

DOUBLE HOLLYHOCK

(*Althaea rosea*)

These stately, old-fashioned perennials are most striking when seen in groups or long rows against evergreen hedges, shrubbery, etc., and, in their turn, form a very fine background for plants of lower growth. Their color variety is wonderful, ranging from pure white through almost every conceivable shade of yellow, red and rose to ashen gray and almost black. Although Hollyhocks are very permanent and hardy for the first winter, it is advisable to sow seed every year, as the flowers on young, vigorous plants are much finer than on old ones. Sowings should be made in April or May, and not later than June, to flower the next year. In final trans-

DOUBLE HOLLYHOCK, continued

planting, give each seedling a foot or more space each way for development. Average height, 4 feet. Our seed is of magnificent, double varieties, grown from Chater's celebrated collection, which has revolutionized the popular estimation of the Hollyhock.

	Oz.	Pkt.		Oz.	Pkt.
61850 Apricot.....	\$2 00	\$0 10	61930 Sulphur-Yellow.....	\$2 00	\$0 10
61860 Bright Pink.....	2 00	10	61940 Lilac.....	2 00	10
61870 Flesh-Color.....	2 00	10	61960 Light Rose.....	2 00	10
61900 Cherry.....	2 00	10	61980 Maroon.....	2 00	10
61910 Canary-Yellow.....	2 00	10	61990 Salmon.....	2 00	10
61914 Golden Yellow.....	2 00	10	62000 Bright Scarlet.....	2 00	10
61920 Blood-Red.....	2 00	10	62010 Snow-White.....	2 00	10
62030 Hybrid Annual Everblooming Double and Single Mixed. Flowers the first sea- son from seed.....			62020 Mixed Allegheny Fringed... 2 00	10	
62034 rosea nigra, Single-Flowered. Color almost black.....	30	5			
62040 Mixed Double.....	1 50	10			
62050 " Single.....	50	5			
Choice Collection, Chater's Superb, including—					
62090 12 varieties Double Hollyhocks.....		1 00			
62100 8 " " ".....		65			
62110 6 " " ".....		50			

IPOMOEA

(Moonflower. Morning-Glory. Cypress Vine.)

Of all our climbers for garden and greenhouse, these are the quickest and most luxuriant in growth. Ipomoeas grow so easily from annual sowings that it is no longer thought necessary to winter-over roots or young cutting plants under glass. The large, horny seeds of some varieties should be soaked in hot water before planting. For early flowers sow in hotbeds or pots and boxes under glass, and transplant to rich, deep soil in summer quarters as soon as danger of frost is over, when sowings may also be made in the open ground. Nothing finer for porches, trellises, etc.

*These are very hard-seeded, and, in order to hasten germination, a notch should be filed in the seed before planting.

ANNUAL VARIETIES. From early sowings, these begin to bloom in June and July, and are full of beautiful flowers all the season, often blooming freely until cut down by frost.

62350 coccinea. Scarlet flowers; 10 ft.....	oz., 25c.	pkt., 5
62360 " lutea. A yellow-flowered variety.....	oz., 25c.	5
Imperial Japanese. See Japanese Morning-Glory, page 81.		
62370 hederacea grandiflora superba. Rich sky-blue flowers with white margins; 15 ft....	oz., 40c.	5
62380 " " fol. marmoratis, Mixed.....	oz., 40c.	5
62390 Nil grandiflora. Light blue; 15 ft.....		5
62400 limbata. Violet and white; 5 ft.....	oz., 25c.	5
62410 *Mexicana grandiflora alba. The great white Moonflower; 15 ft.	oz., 85c.	10
62420 " " hybrida alba. Flowers very large and numerous; 15 ft....	oz., 75c.	10
62430 *bona nox (Good Night, or Evening Glory). Large, blue flowers open in the evening; 15 ft. oz., 30c.		5
62440 Heavenly Blue (rubro coerulea). The very large clustered flowers of beautiful sky-blue open early in the morning. Unusually distinct and handsome; 10 ft. Sow early.....	oz., 75c.	10
62444 rubro-coerulea alba. White; 8 ft.....	oz., 75c.	10
62450 Quamoclit (Cypress Vine; Star Flower). A tender annual, with finely cut leaves and small, star-shaped flowers. This, the type, is scarlet-flowered; 10 ft.....	oz., 30c.	5
62460 " White.....	oz., 30c.	5
62470 " Kerberi. Fine scarlet-flower, blooms late.....	oz., 40c.	10
62480 " Mixed Cypress Vine.....	oz., 30c.	5
62490 Ivy-leaved Cypress Vine. Pretty leaves, deeply lobed; fiery orange-scarlet flowers....	oz., 40c.	5
62530 Collection, including 12 varieties. Annual sorts.....		50

GREENHOUSE CLIMBERS. These handsome vines grow nicely in open ground, but bloom almost too late to be very useful there, in all except warm climates. Grown in pots, tubs, or greenhouse beds, they flower grandly between October and spring.

62550 Horsfalliae. A superb West Indian species of vigorous growth. The rich, thick leafage is beautiful; the flowers a deep glossy rose-purple; 15 ft.....	pkt., 25
62560 Learii. Quick, strong grower, sometimes succeeding well outdoors. Flowers violet-blue; 15 ft....	10
62590 setosa (Brazilian Morning-Glory). This vine makes an immense, thick growth of great lobed leaves lighted by a profusion of large rosy flowers, with a satiny pink star in the centers. The red pubescent stems and seed-pods add to its attractiveness. 10 to 20 ft.....	5

KOCHIA (Summer Cypress)

A splendid ornamental annual, growing 2 to 2½ feet high. The slender-leaved plants are of a cypress-like appearance during summer, changing their light green foliage to carmine and fiery red colorings toward autumn. Forms beautifully decorative bushes on the lawn.
62650 *tricophylla*. An improved strain of *K. scoparia*.....oz., 30c...pkt., 10

LOBELIA

The *Erinus* varieties are charming little plants that bloom very quickly from seed and continue gay with flowers all through the season. For beds, edgings, baskets and pots, there is nothing prettier. Sow outdoors in early spring where the plants are to grow, and thin moderately; or transplant several inches apart in rich, open soil. Some stimulant given when they are in bloom greatly improves the flowers. Almost all are also good winter conservatory plants of trailing habit. The perennial, or tall varieties are handsome, showy plants and will be found quite effective for backgrounds and grouping.

ERINUS VARIETIES (tA)—

- 62950 *gracilis*. Blue; trailing; beautiful for baskets.....pkt., 5
- 62960 *speciosa*. A favorite blue-flowered edging plant; 6 in..... 10
- 62970 *alba*. White flowers..... 5
- 62980 *kermesina*. Crimson..... 10
- 62990 *Lindleyana*. Rose; white eye..... 10
- 63000 *Paxtoniana*. Blue and white..... 10
- 63010 *Barnard's Perpetual*. Deep blue, with white eye; very fine..... 15
- 63020 *Royal Purple*. Deep blue, with a distinct white eye..... 10
- 63030 *Mixed (gracilis)*.....oz., 60c... 5
- 63040 *erecta, Crystal Palace compacta*. Dark blue; for bedding; 6 in..... 20
- 63050 " *Emperor William*. Light blue; very fine..... 15
- 63060 " *Golden Queen*. Dwarf; blue flowers, yellow leaves; very fine sort..... 20
- 63070 " *White Lady*. Splendid large-flowered white..... 10
- 63100 *Collections, including 12 varieties Lobelia*..... 60
- 63110 " " 6 " " 35

PERENNIAL, or TALL VARIETIES—

- 63140 *cardinalis (Cardinal Flower)*. Long spikes of richest cardinal-red 10

- 63150 *cardinalis (fulgens), Queen Victoria*. Brilliant scarlet, dark leaves; striking and beautiful.... 30
- 63160 *ramosa*. Blue; flowers profusely in fall; height 1 ft..... 10
- 63300 *tupa (Devil's Tobacco)*. A splendid perennial plant producing in great abundance curious beaked scarlet flowers about 2½ in. long. It resembles in some respects a gigantic *L. cardinalis*. It grows to a height of 8 to 10 ft..... 10

MARIGOLD

(Tagetes)

These, like the *Calendulas*, are valuable because they light the garden with such a grand glitter of yellow far into the frosts of autumn. The dwarf varieties make a fine border for taller sorts, and both are effective when planted in groups or in garden borders. Hardy annuals. Average height, 1½ to 2 ft. All our own special strains, vastly different from the ordinary sorts commonly sold.

African—

- 63500 *Orange*. Rich orange color.....oz., 50c., .pkt., 5
- 63510 *Eldorado*. Large, quilled perfectly double; brilliant shades of yellow.....oz., 50c... 10
- 63520 *Pride of the Garden*. Extra-large, double flowers of richest yellow; dwarf and neat...oz., 50c... 10



MARIGOLD

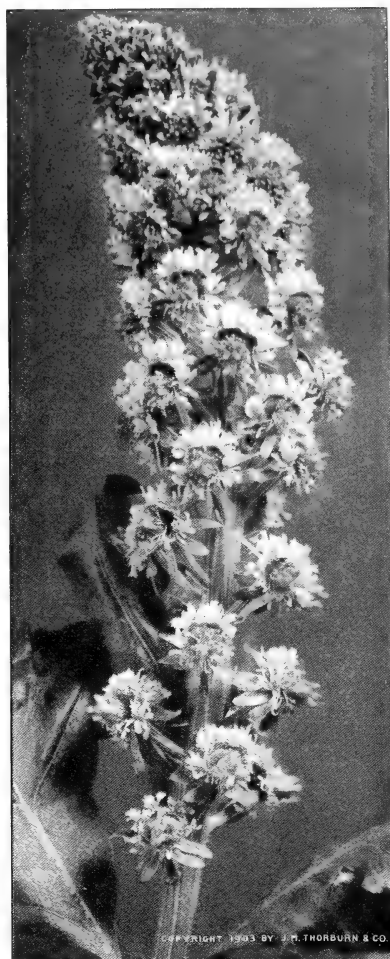
MARIGOLD, continued

63530	Delight of the Garden.	Dwarf; large-flowered; lemon-yellow; double.....	oz., 75c...	10
63540	Lemon Queen.	Very rich lemon-yellow.....	oz., 50c...	10
63550	Prince of Orange.	Beautiful orange color.....	oz., 50c...	10
63560	Mixed Double.....		oz., 40c...	5
63570	French, Tall Dark Brown.	Reddish brown; extremely floriferous; 1 ft.....	oz., 50c... pkt.	10
63580	" Dwarf Striped.	Flowers handsomely marked; 1½ ft.....	oz., 50c...	10
63590	" " Gold-Striped.	Rich and quaintly striped double flowers.....	oz., 50c...	10
63600	" " Dark Brown.	Beautiful reddish brown.....	oz., 50c...	10
63610	" " Legion of Honor (Little Brownie).	Single golden yellow blooms, marked with velvety red.....	oz., 60c...	10
63620	" Tall Mixed, Double.....		oz., 40c...	5
63630	" Dwarf Mixed Double.....		oz., 40c...	5
Collections, including—				
63670	12 varieties Double French.....			60
63680	6 " " ".....			40
63690	6 " " African.....			40

See also *Calendula*, page 68**MIGNONETTE***(Reseda odorata. hA.)*

Seed of this popular annual can be sown at any time, and if successive sowings are made, its fragrant, modest colored flowers may be gathered outdoors until November. Sow in pots or boxes under glass in February or March, and thin or pot off the seedlings to make good plants for bedding out in April. Sow outdoors in rows about April 1, and again regularly at intervals of about three weeks till August, a row or two at a time for succession. The July sowing will make good winter-flowering plants.

	Oz.	Pkt.
63850 <i>Reseda odorata grandiflora</i> . Sweet.....	\$0 25	\$0 05
63860 <i>Crimson Giant (ameliorata)</i> . Red-flowered	30	5
63870 <i>Golden Queen</i> . Golden yellow.....	50	10
63880 <i>Paris Market (Crimson Queen)</i> . Crimson.	60	10
63890 <i>Machet Dwarf</i> . Deep red.....	60	10
63900 <i>Machet, Golden</i>	75	10
63910 <i>Bismarck</i> . Improved Machet.....	80	10
63920 <i>Gabrielle</i> . Large red; 9 in.....	60	10
63930 <i>Goliath</i> . Red; enormous spikes; striking.....	\$1 50	\$0 15
63940 <i>Victoria</i> . Compact brilliant red; 6 in.....	50	10
63950 <i>Miles' Spiral</i> . 1 ft.....	30	5
63960 <i>Giant Pyramidal</i> . 1½ ft.....	50	10
63970 <i>Diamond</i> . Pure white flowers; extra fine.....	60	10
63980 <i>Allen's Defiance</i> . Spikes of great length; very fragrant and fine for cutting; 1½ ft.	50	10
63990 <i>Ruby (Rubin)</i> . Very fine strain of the Machet, with coppery scarlet flowers.....	80	10
64000 <i>Parsons' White</i> . White and buff; 9 in.....	50	10
64010 <i>White Pearl (Machet)</i> . The best white variety.....	1 50	15
64020 <i>grandiflora</i> . New hybrids. Fine for bouquets.....	60	10
64040 <i>Collection</i> , including 12 varieties <i>Mignonette</i>		60



MIGNONETTE

IMPERIAL JAPANESE MORNING-GLORY

The leaves are mostly plain green, but some are oddly blotched with white or yellow. Flowers vary from pure white to carmine, through blues and purples of every shade to almost black. Vines vigorous, growing rapidly to a height of 10 or 20 feet, and their foliage is spangled with hundreds of large and lovely flowers.

64100	Finest Single Mixed.	Large-flowered; all colors.....	oz., 20c... pkt.	5
64110	Fringed Single Mixed.	All beautifully fringed.....	oz., 40c...	5
64120	Double-flowered Mixed.	Superb mixture of double sorts.....		15
64130	Giant "Mikado."	The largest-flowered.....		10

SEE GENERAL LIST OF FLOWER SEEDS ON PAGES 99 TO 119

LOBB'S CLIMBING NASTURTIUM

(*Tropæolum Lobbianum*)

TROPÆOLUM LOBBIANUM. This class is remarkable for the intensely brilliant colors of its flowers, which are a trifle smaller than those of other sorts. In moderately rich soil, they climb high and bloom brilliantly. Average height, 6 feet.

- | | | |
|---|--|----|
| 65400 Queen Wilhelmina. | Queen of the Lobb's varieties. The foliage is veined and marbled white, setting off the rich rosy scarlet flowers to great advantage....oz., 30c...pkt., | 10 |
| 65410 Asa Gray. | Yellowish white.....oz., 20c... | 5 |
| 65420 atropurpureum. | Dark purple, dark-leaved.
oz., 20c... | 5 |
| 65430 fulgens (<i>Brilliant</i>). | Bright scarlet, dark-leaved.....oz., 20c... | 5 |
| 65440 Roi des Noirs. | Black-red, dark-leaved...oz., 20c... | 5 |
| 65450 Lucifer. | Very dark scarlet, dark-leaved.....oz., 20c... | 5 |
| 65460 Crown Prince of Prussia. | Blood-red....oz., 20c... | 5 |
| 65470 Geant des Batailles. | Sulphur and red.....oz., 20c... | 5 |
| 65480 Primrose. | Cream, with brown spots.
oz., 20c... | 5 |
| 65490 Crystal Palace. | Scarlet....oz., 20c... | 5 |
| 65500 Spitfire. | Brilliant scarlet. Very fine.
oz., 20c... | 5 |
| 65510 Firefly. | Orange-yellow spotted scarlet, dark-leaved.....oz., 20c... | 10 |
| 65520 Lilly Schmidt (<i>Victoria</i>). | Scarlet.....oz., 20c... | 5 |
| 65530 Chaixianum. | Yellow spotted red.....oz., 20c... | 5 |
| 65540 Golden Queen. | Fine yellow.....oz., 20c... | 5 |
| 65544 Lilliput, Snow Queen. | Cream white. Fine sort..
oz., 30c... | 10 |
| 65550 Lilliput Mixed. | ..oz., 20c... | 5 |
| 65560 Ivy-leaved, Scarlet. | Dark green, ivy-like leaves, deep scarlet flowers..oz., 30c... | 10 |
| 65580 Fimbriatum Mixed. | Fringed sorts, mixed.
oz., 30c... | 10 |
| 65590 Finest Mixture. | ..... |  |
| 65600 Madame Gunther Hybrids. | A | |
| 65640 Collections, | including 12 varieties | |
| 65650 " " | " " " " " " | 6 |



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PANSY (*Viola tricolor. Heart's-ease. hA*)

Our strains have never been excelled

The Pansy is a plant that we all delight to grow in plentiful supply for flowers all the year. For very early outdoor bedding, the seed is sown from August to October, in a coldframe, or in rich, moist garden beds, from which the plants can be transferred to a coldframe, setting them 2 to 3 inches apart each way before severe winter weather begins. In spring, three-fourths of them can be lifted out for bedding and the rest left to bloom in the frame. For winter blooming in a frame, set the plants about twice as far apart, and thin out half of them in the spring. Cover the blooming plants with sashes, adding a covering of matting or straw in very cold weather. In mild weather, remove the mats and tilt the sashes to admit light, heat and fresh air. In outdoor beds, raised a few inches above the ground, with a mulch of dry leaves and some brush to hold them in place, Pansies will often winter nicely and bloom until midsummer, when a relay of young, vigorous plants should be ready to replace them. Spring sowings should be made early so as to secure good flowers during the early rains. Seed sown in a cool, moist place in June and July, and well tended, will give good flowering plants for fall. If they come into bloom in the heat of the summer, the flowers may be small at first, but as the weather becomes cooler, they will increase in size and beauty. Through summer heat the flowers are finer in a somewhat shaded place, but in almost any situation good Pansy seed will give fine flowers in spring and fall. Early fall sowings give the finest flowers. *The higher-priced sorts produce the largest flowers. This should be borne in mind when ordering.*

66000 Thorburn Superb. The richest and most choicely varied mixture possible. It produces only the finest colors, largest flowers and most beautiful forms.....	Oz. \$5 00	Pkt. \$0 25
66010 Bugnot Superb Blotched. An exceedingly large, three-blotched strain, with upper petals finely lined; great diversity of finest colors.....	4 00	25
66020 Cassier, Finest Mixed. Flowers of grand size, beautifully spotted.....	4 00	25
66030 Masterpiece. Curled, wavy petals; splendid colors; distinct.....	2 00	15
66040 Madame Perret. A splendid giant-flowered strain, comprising all shades of red from light rose to dark purple, some of them finely striped.....	1 50	15
66044 Odier, Cassier and Bugnot, Mixed. An extremely rich, large-flowered mixture....	4 00	25
66050 Giant Orchid-flowered Mixed. A splendid and quite distinct race showing remarkable combinations of all colors, including shades of chamois, terra-cotta, pink, orange, etc.	2 50	25
66054 Non Plus Ultra. A very rich mixture largely made up of Cassier and Trimardeau varieties.....	3 00	25
66060 Parisienne Mixed. Handsome, large-flowering strain.....	2 00	15

SEE GENERAL LIST OF FLOWER SEEDS ON PAGES 99 TO 119

PANSY, continued

	Oz.	Pkt.
66070 Fine Large English. All colors mixed.....	\$1 50	\$0 10
66080 Mixed. Ordinary strain.....	75	5
66090 Azure-Blue. Very fine color.....	1 25	10
66100 Black-Blue. Dark velvety.....	1 25	10
66110 Black (<i>Faust</i> ; <i>King of the Blacks</i>). Almost coal-black.....	1 25	10
66120 Bronze. Golden bronze.....	1 50	10
66124 Brunot. Beautiful sky-blue. Fine pure shade.....	1 50	10
66130 Cardinal. Brilliant red; very fine.....	1 50	10
66134 Cassier rubrum, Blotched. Showy large-blotched flowers.....	2 50	25
66140 Coquette de Poissy. Distinct mauve, shading to white on the petals.....	1 25	10
66150 Dark Purple.	1 25	10
66160 " Silver-edged. Margins pure white.....	1 50	10
66170 Emperor William. Splendid; ultramarine-blue; very showy.....	1 25	10
66180 Fairy Queen. Light blue, with white border.....	1 25	10
66190 Fawn Color (<i>Prince Bismarck</i>). Quaint and pretty.....	1 25	10
66200 Fire King. Golden yellow, upper petals purple.....	1 25	10
66210 Gold-margined. Splendid bright color.....	1 25	10
66220 Golden Queen. Pure yellow.....	1 50	10
66230 Light Blue. Lovely sky-blue.....	1 25	10
66240 Lord Beaconsfield. Deep purple-violet, shading to light blue.....	1 50	10
66250 Meteor. Bright yellow and brown; attractively blotched and margined.....	1 25	10
66260 Odier. Extra large; blotched; rich colors. Show Pansies.....	4 00	25
66290 " Blotched on yellow background.....	4 00	25
66294 " Five Blotched Improved. Extra choice strain.....	3 00	25
66296 Orange (<i>New</i>). Very fine.....	2 00	15
66300 Peacock. Large, peacock-blue flowers, edged with white.....	1 25	10
66310 President Carnot. Pure white petals, each with a deep blotch.....	2 00	15
66320 Rainbow, or Pheasant's Eye (<i>Quadricolor</i>). Very fine strain.....	1 25	10
66330 Red Riding Hood. Brilliant shades of red.....	1 25	10
66340 Ruby. Splendid strain; richest red shades.....	2 00	15
66350 Snow Queen (<i>candidissima</i>). Pure satiny white.....	1 50	10
66360 Tiger. Curiously striped and mottled.....	1 25	10
66370 Victoria. A fine deep solid wine-red.....	1 50	10
66380 White, with Black Center. Very showy.....	1 25	10
66390 Yellow, with Black Center. Splendid.....	1 50	10
66394 Yellow, Maroon-Eye. Large flowers of distinct coloring.....	1 50	10
66410 Tufted Pansies. A splendid strain; small, but very fragrant flowers.....	1 50	15
TRIMARDEAU GIANT. This strain has remarkably large flowers, carried well above their leaves, and generally marked with large blotches; plants are extra vigorous and compact.		
66460 Giant White.	1 50	15
66470 " Pure Yellow (<i>Golden Crest</i>).....	1 50	15
66480 " Bridesmaid. Most beautiful rosy white ground, with dark center blotches.....	2 00	20
66490 " Ruby King. Richest shades of red, scarlet, orange-scarlet and wine-red.....	2 00	20
66500 " Lord Beaconsfield. Lavender and purple.....	2 00	20
66504 " Prince Henry. Darkest blue; splendid.....	2 50	25
66510 " Striped.	2 00	20
66514 " Adonis. Light blue. Splendid.....	2 00	20
66520 " Azure-Blue.	1 50	15
66524 " Atropurpurea. Dark purple.....	1 50	15
66530 " Black-Blue.	1 50	15
66534 " Fire King. Very showy.....	2 00	20
66540 " Hortensia, Red. Splendid.....	1 50	15
66550 " Indigo-Blue. Very rich color.....	1 50	15
66560 " auriculæflora. Beautiful shades.....	1 50	15
66564 " Yellow. Dark center.....	1 50	15
66570 " White, with Dark Eye.	2 00	20
66580 " Mixed.	1 50	10

Choice Collections of Pansies or Heart's-Ease—

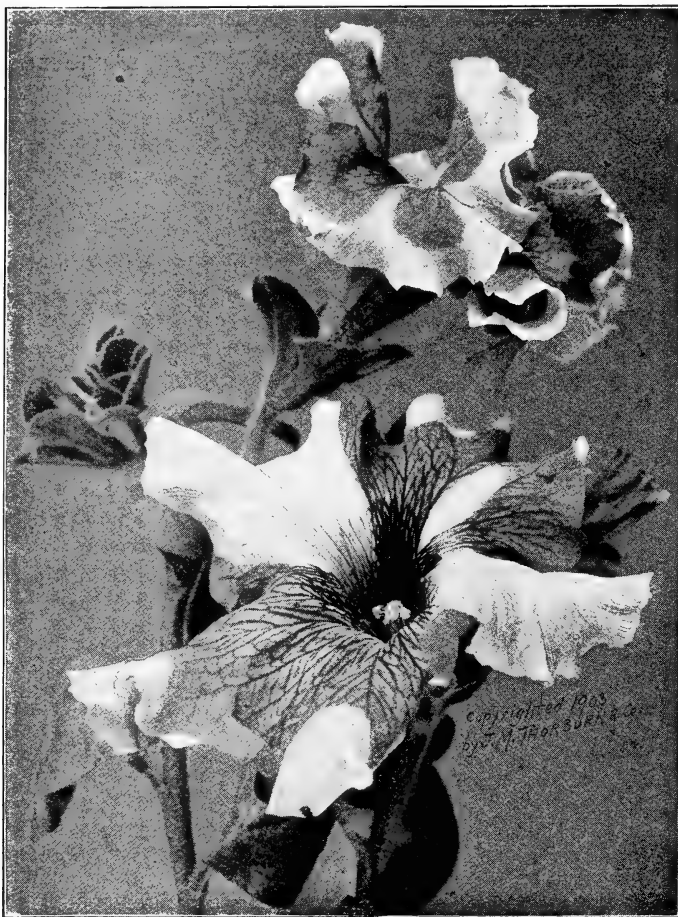
66620 24 varieties.....	\$1 25	66650 8 varieties.....	\$0 60
66630 18 ".....	1 00	66660 6 ".....	50
66640 12 ".....	75	66700 10 " (<i>Pictorial Pkts.</i>).....	60

PETUNIA HYBRIDA (hhA)

Once fairly started, the Petunias grow almost as easily as weeds and furnish a glorious succession of bloom from early summer until frost. The large-flowered strains are very beautiful and of almost endless variety. Seed of the Double and Giant-flowered Petunias is made expensive by the great amount of labor involved in hand-fertilization, and it is well to handle seed and tiny seedlings with some care. Sow in hot-bed, coldframe, or in boxes of fine soil in the sunny windows of a warm room in April or May and transplant about 1 foot apart in garden beds. Seed of the double varieties has not so much vitality as that of single sorts and needs a little more care in watering to be sure of germination. We have no better plants

PETUNIA HYBRIDA, continued

than the Petunias for beds and masses, borders, window-boxes, baskets and vases. They will grow in almost any soil and bloom profusely through long droughts. The newer varieties are of brilliant colors. The highest-priced sorts produce the finest and handsomest flowers, and those we offer are from the most carefully selected strains, saved at great expense. Apparently similar sorts offered at lower prices are not to be compared with those we offer.



SINGLE PETUNIA

SINGLE LARGE - FLOWERED.

These have flowers 4 or more inches across. Our strains are superb, and the collections offered contain only the finest varieties. Average height, 1½ ft.

- 66900 **White.** Clear paper-white flowers of unusual size. pkt., 25
- 66910 **intus aurea.** Large, yellow-throated, crimson flowers 25
- 66920 **Crimson Giant "Midnight."** Great flowers of deepest crimson. 25
- 66930 **Purple King.** Royal in color and size. 25
- 66940 **Rose.** A charming shade 25
- 66950 **Rainbow.** Of richest colors, with yellow penciled throats. 50
- 66960 **superbissima.** Grand flowers of various colors with richly tigered throats. 50
- 66970 **Thorburn Superb Giant.** A strain of surpassing beauty, with extremely large, deep-throated flowers; some exquisitely penciled and elegantly fringed. 25
- 66980 **Emperor, grandiflora, Mixed.** Very large, wide-open flowers, with distinct colorings and markings. Some of the blossoms have pink stars, some white stars, others are striped 25

- 66990 **Superb Single Mixed.** Offers a grand variety of colors. 25
- 67000 **Good Mixed.** 10

FRINGED LARGE-FLOWERING. These have deeply cut and fluted margins—

- 67010 **White, "Snow Storm."** Finest white. 25
- 67020 **Crimson.** A very rich color. 25
- 67030 **Titania.** Beautiful velvety purple flowers with broad white margins. 25
- 67040 **Ruffled Giants.** Extra-large flowers, beautifully ruffled, fluted and fringed. 50
- 67050 **Thorburn's Century Prize.** An unrivaled strain of fringed, ruffled, giant-flowered sorts in most beautiful colors. Very valuable. 50
- 67060 **Perfection Mixed.** Choicest fringed sorts. 25

DOUBLE LARGE-FLOWERING. Our seed will produce flowers large, fragrant, elegantly formed and beautiful either for house, garden, or conservatory. The Double Petunias are great favorites for pot culture in ordinary windows. *Only a small proportion of the double strains bear double flowers. The reason of this is the fact that the seed must be selected from single flowers, the double ones not producing seed. The single flowers must be pollinated with pollen from the double ones.* Cuttings may be made from double-flowered plants and inserted in light, sandy loam for rooting, thus increasing the percentage of double-flowering plants.

- 67070 **Double Mixed Large-flowering.** (250 seeds in pkt.) pkt., 50
- 67080 " **Fringed Mixed Perfection.** Flowers large and much beruffled. 75
- 67090 " " **Lady of the Lake.** Exquisite flowers of finest size and purest white. 75
- 67100 " " **Heliotrope.** Mauve and heliotrope colorings. 75
- 67110 " " **Snowball.** A grand pure white; extremely double; extra-large flowers. 75
- 67120 " " **Crimson.** Gorgeous colors; extra-large flowers. 75
- 67130 " " **rosea.** Brilliant rose; very showy. 75

PETUNIA HYBRIDA, continued

SINGLE BEDDING VARIETIES. Smaller-flowered sorts, found most valuable for beds and masses.

67140	Countess of Ellesmere.	Dark rose, with fine white throat.....oz., 60c...	pkt., 10
67150	Howard's Star.	Rich crimson; distinct white star in center.....oz., \$1.....	10
67160	Inimitable Dwarf.	Bushy little plants, covered with masses of star-shaped flowers; 5 to 8 in.,	10
67170	venosa.	Variouly colored; beautifully veined.....oz., 75c...	10
67180	White.	Pure white; very fine.....oz., 75c...	10
67190	Mixed Single.	Very fine colors.....oz., 60c...	5

Collections of Petunias. These contain only the finest varieties.

67240	12 varieties Single Large-flowering.....\$1	25	67280	12 var. Double. Large-flowering.....\$0	50
67250	6 " " ".....	75	67290	6 " " ".....	80
67270	6 " Double Fringed.....	80			

PHLOX DRUMMONDII (Flame Flower)

The annual Phloxes are dazzling in effect, particularly so when sown in masses or ribbon beds of contrasting colors. Few flowers are so easy to grow from seed, so pretty, and compact in habit, so quick to bloom, or give such a brilliant display of color for so little cost and care. There are few desirable colors beyond their range, and if given good soil and plenty of water, they furnish a long supply of delicate flowers. For pot culture, as trailers, and as an undergrowth for tall, bare-stemmed plants, they are also valuable. The first sowings should be made as soon as the frost is out of the ground in spring, later ones in May, either where the plants are to bloom, or in a seed-bed, as the Phlox transplants readily. In transplanting set the taller kinds about a foot apart; if planted too thickly, they suffer from mildew. Cutting away the flowers and seedpods makes the plants more bushy and compact, and lengthens their blooming time. Average height, 1 foot.

GRANDIFLORA. This section has beautiful, round-petaled flowers, larger than in the older sorts; showy and constant. Our strain is far superior to that ordinarily sold.

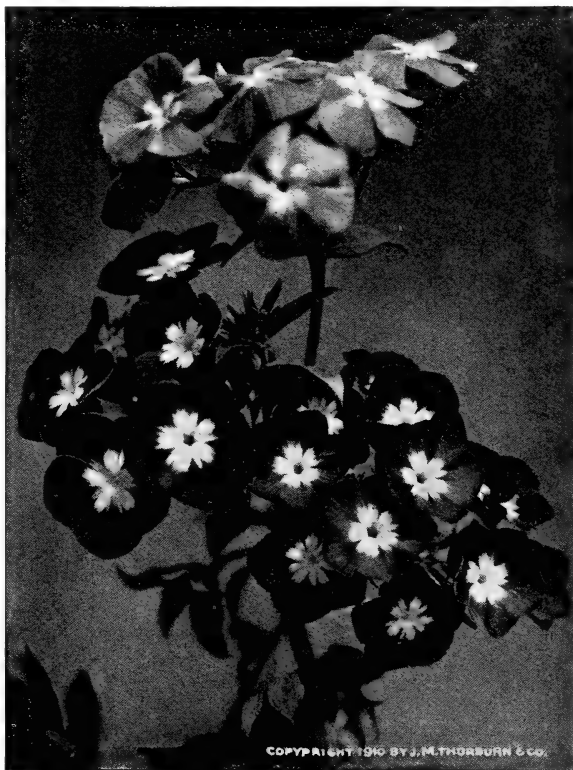
67450	alba.	Pure white.....pkt., 10
67460	alba oculata.....	10
67470	atropurpurea.	Dark purple..... 10
67480	Chamois-Rose.	A soft shade.... 10
67490	coccinea.	Large; brilliant scarlet. 10
67500	Crimson.....	10
67510	Isabellina.	Yellow..... 10
67520	rosea.	Rose..... 10
67530	kermesina splendens.	Vivid crimson..... 10
67540	stellata splendens.	Star-like crimson..... 10
67550	Mixed.	Various large-flowering sorts.....oz., 60c... 5

SMALL-FLOWERED VARIETIES—

67580	Heynholdi.	Scarlet; fine for pots 10
67584	hortensiaeflora, Mixed.	Semi-dwarf; very floriferous..... 10
67590	Radowitzii.	Rose, spotted white. 10
67600	Graf Gero, Mixed.	Fine for pots..... 10

DWARF VARIETIES. Plants of this charming section grow only 6 or 8 inches high, and form dense masses of bloom all summer. They are especially useful for beds, edgings, pots, etc.

67670	Surprise.	Brilliant vermilion, with white star center; for groups and edgings.pkt., 15
67680	Snowball.	Pure white; fine for pots.... 10
67690	Fireball.	Bright flame-red. Fine for pots. 10
67710	Chamois-Rose.	Very fine..... 10
67720	grandiflora nana compacta.	Cecily Phlox, mixed..... 10
67724	nana compacta hortensifolia.	Rose.. 15
67730	Fancy Mixed.....oz., \$1.50..	10



PHLOX DRUMMONDII

STAR PHLOX—

67740	cuspidata (Star of Quedlinburg).	Star-shaped; many colors....oz., \$1..pkt., 10
	Collection, including—	
67800	12 varieties Phlox Drummondii.....	60

PERENNIAL PHLOX

These hardy sorts make bushes about 3 feet high and bear large heads of finely colored flowers.

67840	decussata, Mixed.....pkt.,	10
67860	Large-flowered Hybrids, Mixed.....	25

PINKS (Dianthus)

In this large and greatly varied genus are some of our most beautiful and best-loved flowers, unsurpassed for color and fragrance. They are hardy biennials that bloom finely the first season, remaining green all winter and blooming the next year also, if lightly protected. Old plants flower the earliest, but as young ones give the largest, finest flowers, sowings are made every year. Seed can be sown under glass in the spring, or in an open, sheltered bed. The seedlings are easily transplanted and should stand 8 to 12 inches apart; dwarf ones about 6 inches. If specially large, brilliant flowers are desired, a bed of well-mixed turfy loam, leaf-mold and well-decayed manure should be prepared for them. Average height, 1 foot.

CHINENSIS (*China*, or *Indian Pinks*). The flowers of all are double and showy.

- 68000 **Double White China Pink**.....pkt., 5
 68010 " **Mixed China Pink**. All best colors.....oz., 40c... 5
 68020 " **Very Dwarf Mixed** (*Narcisse*).....oz., 60c... 10

HEDDEWIGII (*Japan Pinks*). Unusually large and brilliant; often oddly edged, striped and ringed.

- 68030 **Single Mixed**.....oz., 50c... 5
 68034 " " **nobilis** (*Royal Pink*). New strain producing very large flowers in brightest colors 10
 68040 " **Queen of Holland**. Splendid pure white..... 10
 68050 " **Eastern Queen**. Rose-colored flowers, 2 to 4 inches across; finely striped and stained.. 10
 68060 " **Crimson Belle**. Flowers large and handsome; dark red..... 10
 68070 " **The Bride** (*Little Gem*). White, with purple center..... 10
 68080 **Double Mixed**.....oz., 90c... 10
 68090 " **"Mourning Pink."** Very large, double flowers of blackish crimson, fringed white.... 10
 68100 " **"Fireball."** Brilliant scarlet; very compact and floriferous..... 10
 68110 **diadematus**, fl. pl. (*Diadem Pink*). Magnificent in color and variety..... 10
 68120 **laciniatus**, **Salmon Queen**. Beautiful rosy salmon; single..... 10
 68130 " **Oriental Beauty**. Petals wide, crinkled, richly marked with pink, white, etc..... 10
 68140 " **mirabilis** fl. pl., **Mixed**. Quite distinct narrow foliage; fine for cutting..... 10

68144 **laciniatus**, **Snowflake**. Pure white; fine ... 10

68150 " **Single Mixed**. Fringed flowers of all colorsoz., 60c... 10

68160 " **Double Mixed**oz., \$1.. 10

IMPERIALIS FL. PL. (*Double Imperial Pink*). Robust, bushy grower, with large, double flowers.

68170 **Double Mixed**.....oz., 60c...pkt., 10

68180 " **Dark Red**. A deep, rich color..... 10

68190 " **Dwarf White**. Great snowy flowers, 9-inch..... 10

PLUMARIUS (*Sweet May Pinks*). These are fine, fragrant, perennials of old-time gardens, still reckoned among the most beautiful for massing and cutting.

68240 **Pheasant's Eye**. Pretty fringed flowers.....pkt. 5

68250 **Scoticus** (*Double Scotch Pink*). A series of exquisite colors; *ours is the finest strain*..... 50

68260 **semperflorens** (*Perpetual Pink*). Double, semi-double and single; of various colors..... 10

68270 **Single Pink, Mixed**.....oz., 60c... 10

68280 **Double Dwarf Erfurt, Mixed**. Extra fine..... 25

68290 " **and Semi-Double Grass Pinks**. Pretty flowers of delicate colors..... 15

68294 " **Mixed**..... 10

68300 **Hybrid Dianthus**. A cross between Sweet William and China Pink. Very hardy; beautifully colored and marked; very fragrant..... 10

Collection of Pinks, including—

68350 12 varieties **Fine China**..... 50

68360 8 " " "..... 40

68370 6 " " "..... 30



PINKS



SINGLE POPPY

POPPY (*Papaver*)

Before tulips are fairly gone, our gardens begin to be gay with Poppies. Few flowers have the same grace of stem, airiness of poise and delicacy of tissue. For beds and borders with a background of green there is nothing finer; some sorts are admirable for naturalizing in open wooded grounds; others, like the Shirley, are beautiful for cutting. A sandy loam suits Poppies best, and, as their strong tap-roots are difficult to transplant, it is well to sow seed where the plants are to bloom. Sowings made in fall and at intervals in spring will provide a long succession of flowers. Sow thinly, covering very lightly, and thin the plants to stand about a foot apart. The best plants are those grown from early sowings while the earth is cool and moist.

PERENNIAL VARIETIES. Tall, large-flowered and showy; average height 2 to 4 feet.

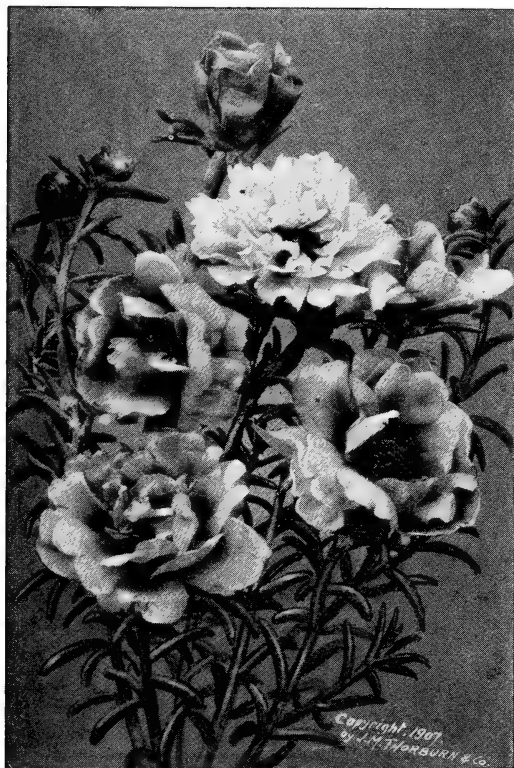
- 68600 **bracteatum.** Scarlet; 3 feet.....oz., 30c...pkt. 5
 68610 **Orientele.** Enormous flowers of deep, flashing scarlet; entirely hardy anywhere; 3 ft. oz., 75c... 10
 68614 " **Brilliant.** Vivid scarlet; beautiful.....oz., 75c... 10
 68620 " **Mixed Hybrids.** Finest shades.....oz., 75c... 10
 68630 **nudicaule** (*Iceland Poppy*). These dwarf, bright yellow Poppies form one of the chief attractions of the garden through several months. They are most beautiful when grown in masses from seed sown every year; 1 ft.....oz., 80c... 10
 68640 " **aurantiacum.** Orange. All this class has crimped petals and peculiar grace. oz., 80c... 10
 68650 " **album.** Pure white.....oz., 80c... 10
 68660 " **Mixed Iceland Poppies.**.....oz., 75c... 10

ANNUAL VARIETIES. This section includes double and single flowers of greatly varying sizes, self-colored and daintily edged. All are easily cultivated and greatly admired. Average height, 3 feet.

- 68670 **Thorburn Giant White.** White flowers of grand form and size; 3 to 4 ft.....oz., 40c...pkt., 10
 68680 **Maid of the Mist.** Pure white, single, very large, deeply fringed; 3 to 4 ft..... 5
 68690 **Miss Sherwood.** Large, single, satiny white, with upper half of petals chamois-rose; oz., 30c... 5
 68700 **Mephisto.** Beautifully fringed; varies from red and black to rose and white.....oz., 30c... 5
 68710 **Flag of Truce.** Pure white; large and showy flowers.....oz., 30c... 5
 68720 **Shirley.** Indescribably bright, dainty and gauzy; a favorite for cutting.....oz., 50c... 5
 68730 **Shirley, Santa Rosa Strain.** Beautifully crimped petals; wonderful shades of blue, lavender, and salmon.....oz., \$1... 15
 68740 **glaucum** (*Tulip Poppy*). Striking tulip-shaped flowers of intensely brilliant scarlet; dwarf... 10
 68750 **pavonium** (*Peacock Poppy*). Intense scarlet, with broad bands of purplish black..... 10
 68760 **umbrosum.** Rich crimson, spotted with black..... 5
 68770 **lævigatum.** Scarlet, with white marks at petal bases; very showy..... 10
 68780 **Danebrog.** Large, single, scarlet, with white cross at base of petals..... 5
 68790 **Mixed Single.** All colors.....oz., 20c... 5
 68830 **Double White.**.....oz., 25c... 5
 68840 " **Scarlet.**.....oz., 25c... 5
 68850 " **Mikado.** Large, white flowers, attractively fringed with rose.....oz., 25c... 5
 68860 " **Cardinal.** The immense, scarlet flowers last unusually well..... 5
 68870 " **American Flag.** White, bordered with scarlet..... 5
 68874 " **carnation-flowered Dwarf cardinal.** Cardinal; fine..... 10

POPPY, continued

68876	Double carnation-flowered Dwarf cardinale hybridum White Swan. Pure white . . . pkt. . .	10
68880	" " " Mixed. Very double, fringed; colors dazzling. oz., 20c. . .	5
68890	" Pæony-flowered Dwarf Fireball. Deep scarlet; very large-flowering	5
68900	" " " Snowball. Pure white; very large-flowering.	5
68906	" " " Mixed Hybrids. New hybrids of unusually compact growth; splendid colors.	10
68910	" " " Mixed. Large, handsome flowers of many colors. oz., 20c. . .	5
68920	" Ranunculus-flowered, Mixed. Flowers small, finely formed, double. oz., 20c. . .	5
68926	" Mixed, all sorts.	5
68930	Pæony-flowered, Single White. Used for opium.	5
Collections of Poppies, including—		
68980	12 varieties Double Carnation-flowered. \$o 40	69000 6 var. Double Dwarf Pæony-flowered. \$o 25
68990	12 " " Pæony-flowered. 40	69010 6 " Ranunculus-flowered. 25



PORTULACAS

be made from them and the bed extended indefinitely with only full, double flowers. *Our strains must not be confused with the ordinary cheap seed usually sold.*

69200	Double Rose-striped. pkt., 20	69260	Double Rose. pkt., 20
69206	" Carnation-striped. 20	69270	" Golden. 20
69210	" Scarlet. 20	69280	" Golden, Red-striped. 20
69220	" Yellow. 20	69290	" White. 20
69240	" Bright Red. 20	69300	" French White. 20
69250	" Salmon. 20	69310	" Mixed. Grown from cuttings. oz., \$5. . . 20
Collections, including—			
69340	8 varieties Portulaca, Single.		35
69350	6 " " Double.		60

PORTULACA

This charming little annual is unrivaled for brilliancy among plants of low growth, and has the happy faculty of flourishing under almost all conditions, though hot sun and a light, sandy soil suit it best. Nothing is prettier for beds, edgings, rock-work, and for filling up irregular spaces or unexpected gaps in the flower-beds. As an undergrowth for taller plants, it is also valuable. Through the driest, hottest seasons it flourishes amazingly, carpeting the ground with a mat of succulent foliage that in the forenoon is hidden by gayest flowers. The seed does not germinate until hot weather, and should be sown late. Beyond the sowing, this plant requires little care. It can be transplanted in full flower. Average height, 6 inches.

SINGLE VARIETIES. Each strong plant will cover a space about 2 feet in diameter.

69100	splendens. Crimson. pkt., 5
69110	Carnation-striped Rose. 5
69120	Thellussoni. Scarlet. 5
69130	albiflora. Pure white. 5
69140	aurea. Deep golden yellow. 5
69150	Thorburni. Beautiful bright yellow. 5
69160	rosea. Rich rose. 5
69170	Mixed. cz., 60c. . . 5

DOUBLE VARIETIES. The flowers are so full and perfect as to resemble tiny roses; toward the close of the season they will increase in size and beauty. As the full double flowers do not produce seed, it must be saved from the semi-double flowers growing with the full doubles. The product of that seed will produce many single flowers. As these bloom earlier, they can be pulled out like weeds. When the full doubles appear, cutting can

RICINUS

(Castor-Oil Plant)

Picturesquely showy and imposing, the Ricinus gives to the garden magnificent semi-tropical effects. Grown as a specimen, it makes a perfect pyramid of gigantic leaves; a dozen plants in a large bed show a glorious mound of glistening colors and may be admired from a long distance; planted thickly it soon forms a handsome screen or hedge; the lower-growing, dark-leaved sorts are beautiful for dotting here and there among cannas, scarlet pelargoniums, etc. Tall varieties grow from 8 to 10 feet high, with leaves several feet across and beautifully lobed. Half-hardy annuals.

70150	Borboniensis. Violet . . . oz., 20c. . . pkt.,	5	70220	Philippinensis. Immense leaves;	
70160	Africanus. Bright colors; 8 ft. oz., 20c. . .	5		6 ft. oz., 25c. . . pkt.,	5
70170	Gibsoni. Dark red; 5 ft. . . oz., 20c. . .	5	70230	Philippinensis purpureus. Lovely rich	
70176	macrocarpus. Deep purple; 5 ft. . oz., 20c.	5		purple oz., 25c. . .	5
70180	macrophyllus. Dark purple; 6 ft. . oz., 20c.	5	70240	sanguineus. Red stems and seeds; 6 ft.	5
70190	Cambodgensis. Glistening dark maroon; stems black; 5 ft. . . oz., 25c. . .	5	70250	Zanzibariensis. Finest mixed; 8 to 10 ft. oz., 25c. . .	5
70200	hybridus Panormitanus. Cross between Cambodgensis and Zanzibariensis. Huge dark brown leaves, blue-powdered stem. Upright habit . . oz., 50c.	10	70260	Mixed. Fine sorts. oz., 15c. . .	5
				Collections, including—	
			70290	12 varieties Ricinus , choicest sorts.	45
			70300	6 " " " " " "	25

70360	Azurea.	Blue.....		pkt.,	10
70380	grandiflora coccinea.	Scarlet.....			10
70390	"	purpurea carminea.	Purplish violet.....		10
70400	"	rosea.	Rose.....		10
70410	"	violacea, aureo-venosa.	Lilac-veined golden yellow.....	All splendid	10
70420	"	superbissima Yellow		large-flower-	15
70430	"	"	Chamois.....	ing sorts	15
70440	"	"	Light Blue.....		15
70450	"	"	Brown and Gold.....		20
70460	"	"	(Emperor) Mixed. Finest strain.....		15
70470	Dwarf Mixedoz., 60c....	pkt.,	10	
70480	Tall Mixedoz., 60c....	10		
	Collections, including—				
70520	8 vars. Salpiglossis	tall large-flowered...	60		
70530	6 "	" large-flowered; Su-			
		perbissima varieties.	65		
70540	8 "	" dwarf.....	40		

70640 **splendens grandiflora, Scarlet.** A rich-flowered bedder; 3 ft.....oz., \$1.75..pkt., 10
70660 " **Bonfire.** Our well-known compact Salvia—the freest blooming of all, seemingly on
fire all the time with dense, flaming scarlet spikes; 2½ ft.....oz., \$2.50.. 10

SALVIA, continued

- 70710 **splendens, Ball of Fire.** Very dwarf and compact variety, especially suitable for pot culture. The plants are about 2 feet high to the top of the flower-spikes and about the same in diameter pkt. 25
- 70720 " **Lord Fauntleroy.** Only 18 inches high; very compact, with flower-spikes standing clear above the foliage. Fine for bedding in masses or for borders around beds of taller plants; also fine for pots. The earliest-flowering of all 25
- 70730 " **Early Dwarf Zurich.** Grows only 12 to 15 inches high, with many fine erect spikes to each plant borne well above its handsome foliage. Color brilliant scarlet... 30
- 70750 " **Scarlet-Pink, White-tipped.** New. A decidedly distinct combination of colors extremely odd and striking. The flowers are produced very plentifully on erect stems and are of a delicate shade of scarlet-pink, tipped with white..... 25

SCABIOSA (*Mourning Bride, Scabious, etc.*)

Well-established garden favorites. They grow about 2 feet high and commence to flower early in July continuing until frost. The flowers are borne on long stems and last a long time when cut. Fine for beds or for borders. Sow seed outdoors in spring when danger from frost is past.

- 70810 **candidissima fl. pl., (Snowball).** White..... pkt., 5
- 70830 **Black-Purple**..... 5
- 70840 **minor aurea fl. pl.** Beautiful golden yellow..... 5
- 70850 **caucasica** (hP). (Blue Bonnet). Lilac; very valuable for cutting..... 10
- 70854 " (hP). *Perfecta* and *fimbriata* mixed. Dark blue flowers; fringed and ruffled petals .. 15
- 70856 **atropurpurea maxima.** Double mixed..... 10
- 70860 **Mixed Tall**..... oz., 30c... 5
- 70870 **Dwarf Double Mixed**..... oz., 40c... 5
- Collections, including—
- 70900 10 varieties Dwarf Double..... \$0 45
- 70910 6 " " "..... 30
- 70920 8 " Tall; large-flowered..... 40
- 70930 6 " " "..... 30

SNAPDRAGON (*Antirrhinum*)

The Snapdragon is one of our finest perennials, flowering the first year as annuals. Its bright-colored, curiously formed flowers always excite interest, and among the newer sorts are flowers of a great variety of colors and markings. Their rich spikes are beautiful for cutting, and keep fresh a long time. From seed sown in the open ground, plants will bloom in July and August. For early flowers, sow under glass in February or March, and transplant into beds of warm, dry soil moderately enriched. The Snapdragon, like most perennials and biennials which bloom the first year, is treated as an annual and sown every year. Average height, 1½ feet.



SNAPDRAGON

TALL VARIETIES—

- 71000 **album.** White..... pkt., 5
- 71010 **luteum.** Yellow..... 5
- 71200 **atrococcineum.** Dark scarlet..... 5
- 71210 **Coral-Red.** Light scarlet; white throat... 5
- 71220 **Fairy Queen.** Golden orange; white throat..... 5
- 71230 **Romeo.** Violet-rose, with pale lip..... 5
- 71240 **picturatum, Mixed.** Blotched varieties. 5
- 71244 **Mixed**..... 5

TALL LARGE-FLOWERING VARIETIES—

- 71250 **Delilah.** White and carmine..... pkt., 10
- 71260 **Galathee.** Crimson and white..... 10
- 71270 **Striped.** Odd and pretty..... 10
- 71280 **Firefly.** Scarlet and white..... 10
- 71290 **White.** Beautiful for cutting..... 10
- 71310 **Yellow.** A pure soft color..... 10
- 71320 **Queen Victoria.** Pure white; superb... 10
- 71330 **Large-flowered Mixed.** Fine. oz., 60c... 5

SEMI-DWARF VARIETIES. Plants of this section make elegant bedders, as they bloom extra profusely and are only about 6 inches high.

- 71340 **Black Prince.** Nearly Black..... pkt., 10
- 71360 **picturatum.** Blotched varieties..... 5
- 71370 **Golden Queen, grandiflora.** Yellow... 10

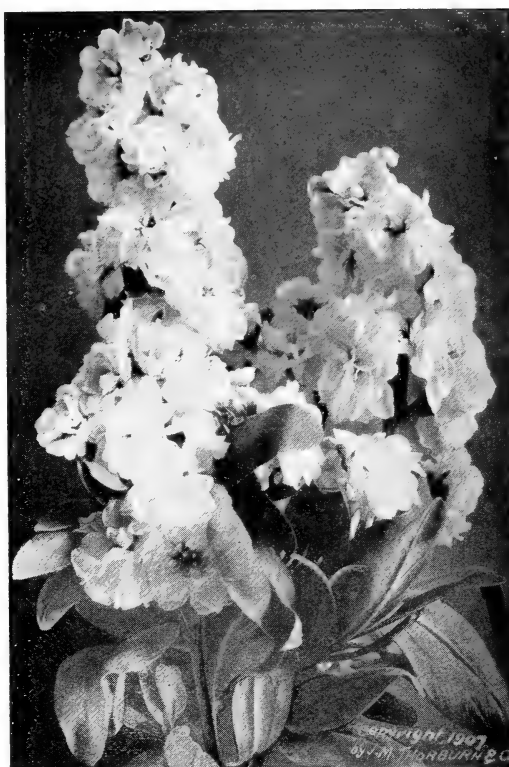
71380	Queen of the North.	Pure white; small-leaved.....	pkt.,	5
71390	Fine Dwarf Mixed.....	oz.,	50c.	5
71400	Tom Thumb Mixed.	Very dwarf strain.....	oz., 80c.	10
Collections, including—				
71440	12 varieties Snadragon,	Finest Tall...		30
71450	6 " "	" "		50

From the general make-up of the great Stock family, no desirable quality seems to have been omitted. The plants have good habit, fine leaves, beautiful and fragrant flowers in all refined colors, a long season of lavish bloom and vigor and adaptability to many conditions of culture. We find them unsurpassed for bedding, edgings, pot culture, house decoration, and for cutting. For bouquets and floral work, the double white sorts are especially useful. To secure fine early flowers, sow under glass in March or April, transplanting the seedlings when an inch high into other pots or boxes, or into fine soil spread over some discarded hotbed. In May, transfer to garden beds of deep, rich soil, setting the plants about a foot apart. Transplanting several times in the early stages of growth tends to give them a more dwarf and compact habit. For later flowers, sowings may be made in the open ground in May. If plants that begin to bloom late are carefully lifted and potted in fall, they will flower finely all winter in a house that is tolerably cool and moist. Average height, 1 to 1½ feet.

GERMAN TEN WEEKS. These are the favorite half-hardy annuals. Our seeds are saved from the choicest double varieties.

- | | |
|---|----|
| 71650 Dwarf Snowflake Forcing. Flowers pure white, unusually large and double; extremely early..... | 25 |
| 71660 Large-flowering Perpetual "Empress Augusta Victoria." Delicate silvery lilac flowers of great substance, on long stems. Of true pyramidal growth, attaining a height of 24 inches..... | 25 |
| 71690 Dresden Perpetual Mixed. | 25 |
| 71700 "Cut-and-Come-Again." Profuse and perpetual-blooming double white..... | 10 |
| Dwarf Large-flowering. Long, splendid spikes; large, double. | |
| 71710 — Chestnut. | 10 |
| 71720 — White. | 10 |
| 71730 — Bright Red. | 10 |
| 71734 — Brilliant Yellow. Rose border.... | 10 |
| 71740 — Canary-Yellow. | 10 |
| 71750 — Crimson. | 10 |
| 71760 — Blood-Red. Very rich..... | 10 |
| 71770 — Carmine. | 10 |
| 71780 — Rose. Very dainty..... | 10 |
| 71784 — Lavender. | 10 |
| 71790 — Light Blue. Exquisite..... | 10 |
| 71800 — Dark Blue. Beautiful..... | 10 |
| 71810 — Violet. | 10 |
| 71814 — Violet-Purple. | 10 |
| 71820 — Shining Purple-Carmine. | 10 |
| 71824 — Large-flowering Brilliant Rose. | 10 |

AUTUMNAL and LATE-FLOWERING SORTS. From seed sown in spring and summer, these half-hardy biennials begin to bloom in fall, flowering all winter and late into spring if transferred to cool, airy quarters indoors. Usually the plants are wintered over in a frame. Their flowers have not so many colors as the Ten Weeks, but are larger and carried on longer, bolder spikes. Nos. 72030, to 72070, if started in frames or boxes in early spring, will make a brilliant show in late summer and autumn.



STOCKS

- | | | | |
|-------|--|---------------|----|
| 71830 | Dwarf Chamois..... | pkt., | 10 |
| 71840 | — —Flesh Color, "Souvenir de Nice"..... | | 10 |
| 71850 | — —Violet, "Souvenir de Nice"..... | | 10 |
| 71860 | — —Yellow, "Souvenir de Nice"..... | | 10 |
| 71870 | — —Mixed..... | oz., \$3.50.. | 10 |
| | Giant Perfection. Tall, handsome;
spikes large, flowers rose-like. | | |
| 71880 | — —White. 1½ to 2 ft..... | | 25 |
| 71890 | — —Mixed..... | oz. \$2.50.. | 10 |
| 71904 | Giant Nice "Abundance." Carmine-
rose. Of dwarf branching habit.
Flowers in great abundance. 50 to 60
per cent of them double..... | | |
| 71910 | Good Mixed Stock..... | oz., \$1.. | 5 |
| | Wallflower-leaved. The popular cut-
flower variety, with flowers of clearest
possible colors, and dark glossy leaves. | | |
| 71920 | — —White..... | | 10 |
| 71930 | — —Crimson..... | | 10 |
| 71940 | — —Mixed..... | oz., \$3.50.. | 10 |
| 71950 | Dwarf German Bouquet Mixed. Pro-
fuse bloomers..... | | |
| | | oz., \$4.. | 10 |
| | Emperor, Large-flowering. Sow in
spring for autumn and winter flowers;
sow in midsummer for spring blooming. | | |
| 71960 | — —White..... | | 25 |
| 71970 | — —Crimson..... | | 25 |
| 71980 | — —Mixed..... | | 25 |

AUTUMNAL and LATE-FLOWERING STOCKS, continued

72000	Intermediate, Crimson	.....pkt.,	25	72054	Winter, Large-flowering White Lady.		
72010	" White	.....	25		Splendid new variety. (See		
72020	" Mixed	.....	25		Novelties).....pkt.,	25	
72030	Winter, Crimson	.....	25	72060	" Queen Alexandra of Nice.		
72040	" White	.....	25		Pink.....	25	
72050	Empress Elizabeth. Splendid			72064	" Dwarf Bouquet. Crimson.....	25	
	carmine-rose; dwarf.....	25		72070	" Mixed.....	25	

Choice Collections of Stocks.

GERMAN TEN WEEKS

72110	24	varieties Dwarf Large-flowering....	\$1 00
72120	18	" " " " " " " "	75
72130	12	" " " " " " " "	50
72140	6	" " " " " " " "	30
72150	12	Pyramidal, Dwf. Large-flg.	65
72160	6	" " " " " " " "	40
72170	12	Large-flowering Emperor..	1 00
72180	6	" " " " " " " "	60
72190	12	Dwarf Bouquet.....	60
72200	6	" " " " " " " "	30

Containing Only the Finest Varieties

72210	6	varieties Dwarf Victoria Bouquet...	\$o	35
72220	12	" Giant Perfection.....		65
72230	6	" ".....		40
72240	6	" Wallflower-leaved.....		40
AUTUMNAL, WINTER, ETC.				
72270	8	varieties Intermediate German....		60
72280	6	" ".....		50
72290	6	" East Lothian Autumn.....		60
72300	12	" Fine Winter, or Brompton		80
72310	6	" ".....		50
72340	6	" Winter, Dwarf Bouquet...		75

SUNFLOWER (*Helianthus*)

Very stately decorative plants with great masses of yellow flowers. Among shrubbery, and for backgrounds and screens, nothing could be finer. Their long stems and wonderful lasting qualities make them valuable as cut-flowers. They are said to be good for absorbing the miasma of low grounds. Plant the seed in the open garden in spring and thin the plants to stand 3 to 4 feet apart. All those below are hardy annuals, except 72380.

		Oz.	Pkt.
72380	RED PERENNIAL (<i>Echinacea helianthus</i>). The only hardy perennial red-flowering Sunflower. Fine.....		\$0 15
72400	argyrophyllus (<i>Texas Silver Queen</i>). Has handsome silvery foliage and a profusion of small, elegant, single flowers; 4 ft.....	\$0 25	5
72410	Henry Wilde . Tall, small-flowered, graceful, single.....	20	5
72420	Primrose-colored . Graceful flowers of a lovely color; beautiful for cutting.....	20	5
72430	macrophyllus giganteus . Huge leaves and yellow flowers; 5 ft.....	20	5
72440	cucumerifolius . Of pyramidal growth; covered with small, bright orange, single flowers; 3 feet.....		5
72444	“ Diadem . Light citron-yellow with black center; large-flowered.....		10
72450	“ Stella . Handsome large-flowered primrose-yellow.....	40	10
72460	“ Orion . A very handsome variety, with petals twisted like those of the best cactus-shaped dahlias; excellent for cutting.....	50	10
72470	“ hybridus fl. pl. A splendid mixture of double and semi-double sorts.....	60	10
72480	Double Chrysanthemum-flowered . Very double, golden yellow; 6 ft.....		5
72490	“ California . Dark yellow; 2 to 5 ft.....	20	5
72500	“ Globe-flowered . Ball-shaped; blooms late; 3 ft.....	20	5
72510	“ Green-centered . Odd and attractive; 3 ft.....	20	5
72520	“ Dwarf . Beautiful, dahlia-like flowers, 3 inches across.....	20	5
72530	“ Dwarf Variegated-leaved . Foliage spotted with yellow.....	25	5
72540	Single Russian . Giant-flowered; 5 to 8 ft.....	lb., 25c.	5

SWEET WILLIAM (*Dianthus barbatus*, hB)

A splendid old-fashioned plant, producing its large heads of beautifully colored, sweet-scented flowers in great abundance. It is hardy, easily grown and flowers the second year from seed.

72650	White, Single.....oz.,	\$o	3o	pkt.,	5	72700	Auricula-flowered Oculatus	Oz.	Pkt.
72660	" Double.....				10		marginatus, Double. Very		
72670	Dark Crimson, Single.....		3o		5		fine.....		\$o 10
72680	" Double.....				10	72710	Mixed Single.....	\$o 25	5
72690	Auricula-flowered Oculatus					72720	" Double.....	I 00	10
	marginatus (<i>Hunt's Perfection</i>).....		3o		5	72750	Collection, including 6 varieties		
							Sweet William.....		25

VERBENA

In rich soil, single plants of this pretty annual creeper, flowering the first season, will carpet a space 3 to 4 feet in diameter. For beds, borders, mounds, vases and window-boxes, it is particularly fine, and is frequently used for an undergrowth to tall plants like lilies. Plants raised from seed are cheaper, more vigorous and produce more flowers for a longer season than those grown from cuttings. For early spring bloom, sow the seeds under glass in February; for later flowers, sow in March or April. Soak the seed a few hours in tepid water and sow in seed-boxes filled with light, rich soil; cover one-fourth of an inch deep, press down firmly and water sparingly. When the seedlings are about an inch high, transplant into other

VERBENA, continued

boxes. Use a liberal amount of manure in the beds that are to receive them, and plant out 10 to 15 inches apart each way in May. Give a sunny position. The plants bloom from early summer until frost. Our seed is saved from fine named varieties. Nos. 73130 and 73140 require no pegging down.

73000	hybrida, Scarlet.	Different shades.	.....pkt.,	10
73010	"	Defiance. Intensely brilliant scarlet; fine for bedding.	.....	10
73020	"	Black-Blue, White Eye.	.....	10
73030	"	Yellow. Primrose color.	.....	10
73040	"	candidissima. Large trusses of purest white flowers.	.....	10
73050	"	auriculæflora. Brilliantly colored flowers of fine size, each with a large white eye.	.....	10
73060	"	italica striata. Brightly striped.	.....	10
73070	"	cœrulea. Bright blue in various shades.	.....	10
73076	"	nana compacta Vesta. See novelties.	.....	15
73080	"	Mixed.	.....oz.,	75c. 5
73090	"	Finest Mixed. Extra choice.	.....oz., \$1.25.	10
73094	"	Mammoth Rose Queen. Brilliant rose-colored flowers, 1 to 1¼ inches across when well grown, produced in magnificent large umbels.	.....	25
73100	"	Mammoth Mixed. Plants and flowers are unusually large; extremely floriferous.	.....	10
73110	"	Improved Mammoth Mixed Auricula-flowered. Best of all.	.....	25
73130	Compacta erecta "Brilliant."	Flowers coppery scarlet with white eye. Grows only 9 inches tall and forms compact upright bushes 1 foot in diameter.	.....	25
73140	"	Mixed. Finest collection.	.....	10
73150	Collection, including 6 varieties	Verbena hybrida.	.....	50
73200	Verbena erinoides.	Small, violet; large bloomer; pretty.	.....	10
73210	"	alba. Dazzling white; large profuse bloomer. Excellent.	.....	10
73214	"	venosa. Blue; fine for groups and for edgings.	.....	10
73220	"	citriodora (Lemon-scented verbenas). An attractive greenhouse shrub, grown for the delightful citron scent of its light green leaves.	.....	10

ZINNIA (*Youth and Old Age*)

Few flowers are so easily grown from seed sown in the open ground, or bloom so abundantly and continuously, as this hardy annual. During the month of August, Zinnias are almost incomparably bright. Sow seed in the open ground early in spring. The separate colors and collections offered below are very choice. They produce very large flowers and are far superior to the sorts generally sold as Giant-flowering. Average height, 1½ to 2 feet.

TALL DOUBLE. For borders and groups; 2 feet.

	Oz.	Pkt.
73510 Carmine.	\$0 50	\$0 05
73520 Crimson.	50	5
73530 Flesh-colored.	50	5
73540 Lilac.	50	5
73550 Purple.	50	5
73560 Rose.	50	5
73570 Scarlet.	50	5
73580 Striped.	50	5
73590 Violet.	50	5
73600 White.	50	5
73610 Yellow, Sulphur.	50	5
73620 " Golden.	50	5
73622 Giant Sulphur-Yellow	See {	20
73624 " Crimson		20
73626 " Violet		20
73630 Mixed.	40	5
73640 " Large Robust.	75	10

DWARF DOUBLE. More compact and of neater habit than tall varieties.

	Oz.	Pkt.
73680 Purple.	\$0 60	\$0 10
73690 Salmon.	60	10
73700 Crimson.	60	10
73710 Bright Scarlet.	60	10
73714 Violet.	60	10
73720 White "Snowball"	60	10
73730 Yellow, Sulphur.	60	10
73740 " Golden.	60	10
73750 Mixed.	50	5
73760 Tom Thumb Mixed.	1 00	15
73770 Lilliput, Scarlet Gem.		10
73780 " White.		10
73790 " Mixed.	75	10
73800 Mixed Pompon.	75	10
73810 Haageana. Double mixed; 1 ft.		10
73820 Curled and Crested. Mixed.	60	10

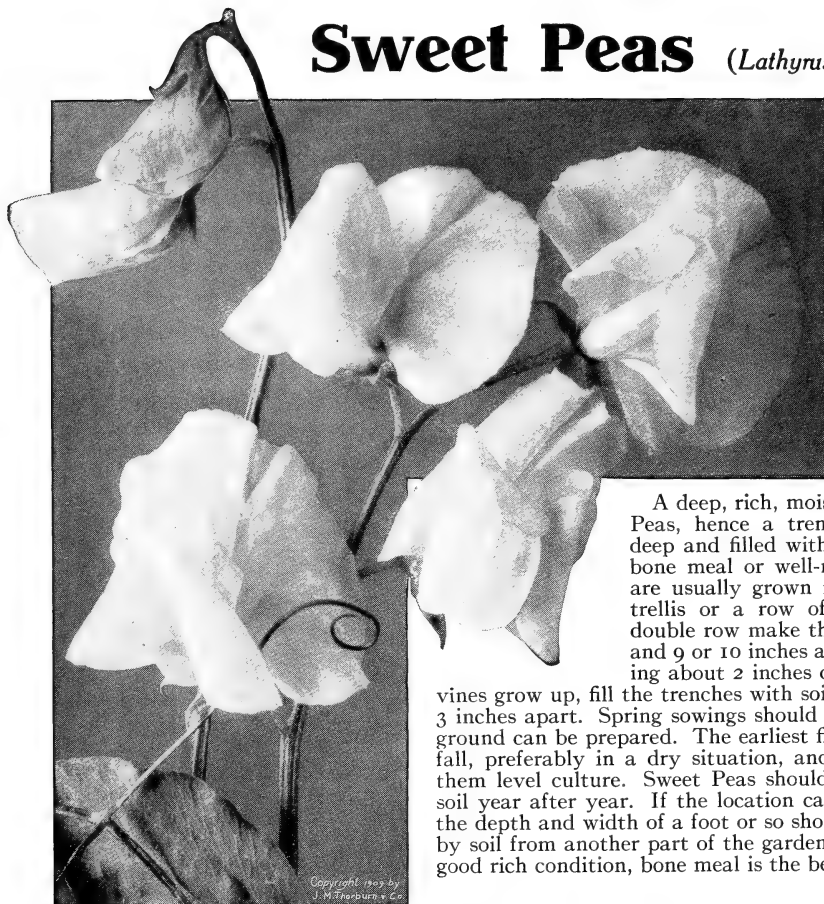


ZINNIA.

Collections of Zinnia

73860	10 varieties Tall Double.	\$0 45
73870	6 " " "	30
73880	6 varieties Dwarf Double.	40
73890	8 " " "	60

Sweet Peas (*Lathyrus odoratus*)



Through the skill of specialists, the Sweet Pea has become much larger and lovelier than before it became so popular. There are flowers of quite distinct shapes, some of which are a great improvement upon the Sweet Pea of the old type. For garden decoration it is now grown in clumps, and in separate colors. The plants are more robust, dwarf, branching and bloom more freely, some varieties showing three to four blooms on a stem.

A deep, rich, moist soil is best suited to Sweet Peas, hence a trench should be dug $1\frac{1}{2}$ feet deep and filled with very best loam mixed with bone meal or well-rotted stable manure. They are usually grown in double rows, with a wire trellis or a row of brush between. For each double row make the drills about 6 inches deep, and 9 or 10 inches apart. Sow plentifully, covering about 2 inches deep, and, by degrees, as the vines grow up, fill the trenches with soil, and thin out to about 2 or 3 inches apart. Spring sowings should be made just as early as the ground can be prepared. The earliest flowers are from seed sown in fall, preferably in a dry situation, and 6 or 8 inches deep, giving them level culture. Sweet Peas should not be grown on the same soil year after year. If the location cannot be changed, the soil to the depth and width of a foot or so should be removed and replaced by soil from another part of the garden or grounds. If the soil is in good rich condition, bone meal is the best fertilizer.

Thorburn's Selected Sweet Peas

74000	Assortment, containing 1	pkt. each of 60	named varieties, OUR SELECTION.....	\$1 75
74010	"	"	"	"
74020	"	"	"	"
74030	"	"	"	"

NAMED LARGE-FLOWERED (GRANDIFLORA) VARIETIES

Free by mail or express

All five cents per packet except where quoted otherwise

	Per oz.	1/4lb.	1/2lb.	Lb.
74080 Agnes Johnston. Rose-pink, shaded cream.....	\$0 10	\$0 20	\$0 30	\$0 50
74130 Apple Blossom. Bright pink and blush, beautifully shaded.....	10	20	30	50
74140 Aurora. Flowers extra-large; flaked bright orange-salmon on white ground..	10	25	45	75
74150 Black Knight. Deep maroon, self-colored.....	10	20	35	60
74160 Blanche Burpee. Superb, pure white; immense size, perfect form.....	10	20	35	60
74170 Blanche Ferry. Standard carmine-rose, wings white, tinged pink.....	10	20	35	60
74180 Bolton's Pink. Rich salmon-pink.....	10	20	35	60
74200 Captain of the Blues. Bright purple and pale blue.....	10	20	35	60
74230 Coquette. Primrose, shaded fawn.....	10	20	35	60
74240 Countess of Cadogan. Reddish mauve standard, violet-blue wings.....	10	20	35	60
74250 Countess of Lathom. Very pretty cream-pink.....	10	20	30	50
74254 Countess of Powis. Orange; fine.....	10	20	30	50
74260 Countess of Radnor. Delicate lavender standard; dark mauve wings.....	10	20	35	60
74270 Crown Jewel. Primrose, veined violet-rose.....	10	20	30	50
74280 Dainty. White, edged pink.....	10	20	30	50
74284 David R. Williamson. Bright indigo; wings lighter.....	10	20	30	50
74288 Dora Bredmore. Primrose and buff.....	10	25	45	75
74290 Dorothy Eckford. Fine pure white; large flower.....	10	20	30	50
74300 Dorothy Tennant. Standard rosy mauve; wings bluish mauve.....	10	20	30	50
74310 Duke of Clarence. Rosy claret; self-colored flowers; extra early.....	10	20	30	50
74320 Duke of Westminster. Rosy maroon standard; violet-purple wings; fine..	10	20	35	60

SEE GENERAL LIST OF FLOWER SEEDS ON PAGES 99 TO 119

SWEET PEAS, continued*All five cents per packet except where quoted otherwise*

	Per oz.	1/4lb.	1/2lb.	Lb.
74360 Emily Henderson. Splendid pure white; good for forcing.	\$0 10	\$0 20	\$0 30	\$0 50
74370 Evelyn Byatt. Orange-scarlet; wings rosy.	10	20	35	60
74380 Firefly. Brilliant fiery scarlet.	10	20	30	50
74390 Flora Norton. Splendid rich lavender.	10	20	35	60
74404 George Gordon. Reddish maroon.	10	20	30	50
74420 Golden Rose. Light primrose-yellow, striped rosy pink.	10	20	30	50
74430 Gorgeous. Standard bright orange; wings bright orange-rose. Very showy.	10	20	30	50
74436 Gray Friar. Heliotrope, marbled on white.	10	20	30	50
74440 Helen Pierce. Bright blue, mottled on pure white; perfect shell-shaped gloxinia-like flowers; beautiful.	10	25	45	75
74454 Her Majesty. Rose-crimson; fine.	10	20	30	50
74460 Hon. F. Bouverie. Standard flesh-pink; wings rosy buff.	10	20	30	50
74470 Hon. Mrs. Kenyon. The deepest shade of primrose; very large.	10	20	30	50
74490 Janet Scott. Bright pink and buff; very pretty.	10	20	35	60
74500 Jeannie Gordon. Beautiful bright rose, shaded cream.	10	25	45	75
74510 Jessie Cuthbertson. Rose and primrose striped.	10	20	35	60
74518 Juanita. White, striped lavender.	10	20	35	60
74520 Katherine Tracy. Soft brilliant pink.	10	20	30	50
74530 King Edward VII. Bright crimson, very large flowers. Splendid sort.	10	20	35	60
74540 Lady Grisel Hamilton. Light lavender standard, sky-blue wings; splendid	10	20	35	60
74550 Lady Mary Currie. Orange-pink, shaded rosy lilac.	10	20	30	50
74554 Lady Nina Balfour. Mauve standard, lavender wings, on primrose ground.	10	20	30	50
74556 Lady Skelmersdale. Light magenta standard, edged lilac; wings white though sometimes tinged pink.	10	20	35	60
74560 Lord Nelson. (Brilliant Blue.) Deeper and richer shade than Navy-Blue.	10	20	35	60
74564 Lord Roseberry. Bright magenta-rose; large size.	10	20	30	50
74570 Lottie Eckford. Rose and white, edged with blue.	10	20	30	50
74580 Lovely. Deep rose standard and wings, shading to pale pink at edges.	10	20	30	50
74590 Maid of Honor. Almost white, with light bluish lavender edge.	10	20	30	50
74600 Majestic. Deep pink, self-colored; very large flowers of finest form.	10	20	30	50
74610 Marchioness of Cholmondeley. Light salmon, buff standards and wings.	10	20	35	60
74620 Mars. Bright red, self-colored; hooded form.	10	20	30	50
74630 Miss Willmott. Large, orange-pink.	10	20	30	50
74640 Modesty. White, tinted pink.	10	20	30	50
74660 Mrs. Dugdale. Beautiful deep rose; unexcelled for cut-flowers.	10	20	30	50
74670 Mrs. Eckford. Primrose-yellow. Exquisite.	10	20	30	50
74676 Mrs. George Higginson, Jr. Light lavender.	10	20	30	50
74680 Mrs. Jos. Chamberlain. White, striped and flaked with bright rose.	10	20	30	50
74690 Mont Blanc. Pure white, of finest form, for forcing; very dwarf.	10	25	45	75
74700 Navy-Blue. Bluish purple standard; navy-blue wings.	10	20	35	60
74720 Othello. Glossy maroon. Self-colored. Elegant.	10	20	30	50
74746 Prima Donna. Pure light pink, self-colored.	10	20	35	60
74760 Prince of Wales. Rose-crimson, self-colored.	10	20	30	50
74770 Princess of Wales. Striped mauve on white ground.	10	20	35	60
74780 Queen Alexandra. Bright scarlet-red, self-colored; almost true scarlet.	10	25	45	75
74800 Queen Victoria. Light primrose-yellow.	10	20	35	60
74810 Royal Rose. Fine deep rose-colored.	10	20	30	50
74820 Sadie Burpee, White Seed. One of the largest pure white Sweet Peas.	10	20	30	50
74830 Sadie Burpee, Black Seed. Pure white, hardier than the white-seeded.	10	20	30	50
74840 Salopian. Splendid brilliant scarlet; nearly sun-proof.	10	20	30	50
74850 Senator. Maroon and violet, striped white.	10	20	30	50
74860 Shahzada. Dark maroon, shaded purple.	10	20	30	50
74880 Stella Morse. Primrose, flushed pink; very beautiful.	10	20	30	50
74900 Sibyl Eckford. Standard light salmon and buff, wings buff; open form.	10	20	30	50
74904 Triumph. Rose standard, veined scarlet-rose; light crimson-pink wings.	10	20	30	50
74906 Venus. Light pink and buff, blended.	10	20	30	50
74908 Wawona. Lavender striped.	10	20	30	50
74910 White Wonder. Double-stemmed, many-flowered; pure white.	10	20	35	60

UNWIN VARIETIES

This type has waved and fluted standards, much resembling the Spencers, though entirely distinct as a class.

	Per oz.	1/4lb.	1/2lb.	Lb.
74920 E. J. Castle. Carmine-rose; standard shaded salmon.	\$0 10	\$0 25	\$0 45	\$0 75
74924 Frank Dolby. Lavender-blue.	10	30	50	80
74930 Gladys Unwin. Pale rosy pink; superb.	10	25	45	75
74950 Mrs. Alfred Watkins. Standard pink, shading to buff; wings blush, shading to rose.	10	25	45	75
74960 Nora Unwin. Pure white; large, open, wavy form.	Pkt., 10c.	25	65	1 00
74970 Phyllis Unwin. Light magenta-rose and carmine; large.	10	25	45	75
74980 Collection of above 6 varieties (1 pkt. of each), 25 cts.				

SEE GENERAL LIST OF FLOWER SEEDS ON PAGES 99 TO 119

CHRISTMAS SWEET PEAS

These varieties, if sown early in fall indoors, will bloom by Christmas and continue all winter. They may also be sown outdoors in the same way as other sorts for summer-flowering.

	oz.	¼lb.	½lb.	Lb.
74126 Angeleno. Self-pink.....	Pkt., 10c...	\$0 25	\$0 65	\$1 00
74190 Burpee's Earliest White. Pure white, on long stems; early.	Pkt., 5c...	15	45	75
74210 Christmas Pink	Pkt., 10c...	25	75	1 20
74220 Christmas White	Pkt., 10c...	25	75	1 20
74224 Christmas Lavender (Mrs. Alex. Wallace).....	Pkt., 10c...	30	75	1 25
74330 Earliest of All. Pink and white, resembling Blanche Ferry.....	Pkt., 5c...	10	25	45
74400 Flamingo. Crimson.....	Pkt., 10c...	25	65	1 00

SPENCER VARIETIES

These are noted for their unusually large-sized flowers, and for the waved or fluted appearance of the petals. They are also frequently referred to as "Orchid-flowering Sweet Peas."

All 10 cts. per packet, except where quoted otherwise				
	Per oz.	¼lb.	½lb.	Lb.
74990 Apple Blossom. Crimson, buff and light pink.....	\$0 25	\$0 75	\$1 25	\$2 00
74996 Asta Ohn. Lavender tinted mauve; delicate coloring; very large.....	30	1 00	1 50	2 50
75004 Aurora. Orange, pink and white striped; enormous flowers.....	25	75	1 25	2 00
75006 Black Knight. Shining deep maroon.....	25	75	1 20	1 75
75008 Beatrice Spencer. Deep pink, bluish and buff; splendid.....	30	1 00	1 50	2 50
75012 Captain of the Blues. Standard purple; wings blue.....	25	75	1 25	2 00
75018 Clara Curtis. Beautiful pale primrose.....	Pkt., 5c...	15	45	75
75020 Countess Spencer. Soft rose-pink, a little deeper at edges.....	30	1 00	1 50	2 50
75022 Elsie Herbert. Large creamy white, with pink edge.....	25	75	1 20	1 75
75024 Enchantress. Deep pink, darker toward edges.....	15	45	75	1 25
75026 Etta Dyke. Pure white; exquisite.....	30	1 00	1 50	2 50
75028 Florence Morse. Blush, pink margin.....	30	1 00	1 50	2 50
75034 George Herbert. Standard rosy magenta, wings deep carmine.....	25	75	1 20	1 75
75040 Helen Lewis. Crimson-orange standard; wings orange-rose.....	Pkt., 5c...	15	45	75
75050 John Ingman. Rose-carmine; fluted flowers. Profuse bloomer.....	Pkt., 5c...	15	45	75
75054 Marjorie Willis. Glowing rose with a little white at base.....	25	75	1 20	1 75
75056 Mrs. C. W. Breadmore. Buff ground with rosy picotee edge.....	25	75	1 25	2 00
75058 Mrs. Charles Foster. Lavender, flushed pale rose.....	25	75	1 20	1 75
75060 Mrs. Hardcastle Sykes. Salmon-pink.....	25	65	1 00	1 50
75064 Mrs. Henry Bell. Rich apricot-pink on cream ground.....	30	1 00	1 50	2 50
75068 Othello. Rich deep maroon; profuse bloomer.....	30	1 00	1 50	2 50
75072 Paradise Ivory. Ivory-white with a slight tinge of buff on the standard.....	30	1 00	1 50	2 50
75076 Primrose Spencer. Pronounced primrose or creamy yellow.....	25	75	1 20	1 75
75080 Tennant. Purplish mauve, self. Long, stiff stems.....	30	1 00	1 50	2 50
75084 The Marquis. Rosy mauve self.....	30	1 00	1 50	2 50
75088 White Spencer. Pure white; waved, crinkled, and fluted standards.....	30	1 00	1 50	2 50
75090 Mixed Spencers	Pkt., 5c...	15	50	80

SWEET PEAS IN MIXTURE

75150 THORBURN'S SPECIAL MIXED. Comprising the finest Eckford and other newest and best large-flowering varieties.....	Pkt., 5c...	10	25	40	75
75160 Eckford's Mixed. Composed of Eckford varieties only.....	Pkt., 5c...	10	20	30	50
75170 Choice Mixed	Pkt., 5c...	10	15	20	35
75200 Double Varieties, Mixed	Pkt., 5c...	10	20	35	60

DWARF CUPID SWEET PEAS

A distinct race of Sweet Peas, growing only about 6 inches high. Of compact, bushy habit, and with flowers as large and fragrant as those of some of the tall sorts. Excellent for pots, borders or masses.

	Per oz.	¼lb.	½lb.	Lb.
75264 Blanche Ferry. Pink and white.....	Pkt., 5c...	\$0 10	\$0 30	\$0 50
75274 Bridesmaid. Pink.....	Pkt., 5c...	10	30	50
75330 White. Large, pure white flowers; very floriferous.....	Pkt., 10c...	25	65	1 00
75340 Mixed	Pkt., 5c...	10	25	45

PERENNIAL PEAS (*Lathyrus latifolius*)

These have not the fragrance of Sweet Peas, but bloom through a long season, are hardy and will live for years. They make a beautiful screen for rocks, stumps, fences, etc. Height 2 to 8 feet.

	Pkt.	Oz.
75420 latifolius Crimson (hP). Beautiful shade.....	\$0 10	\$0 40
75450 " Pink Beauty (hP). Blossoms white, veined, edged and shaded rose-pink.....	10	40
75460 " White (hP). Valuable for cut-flowers in midsummer.....	10	40

LORD ANSON'S PEA (*Lathyrus magellanicus* hA)

Said to have been originally introduced by the cook of H. M. S. *Centurion*, commanded by Lord Anson in 1744. Medium-sized flowers produced in bunches from June until end of July.

	Pkt.	Oz.
75470 Blue. Strong-growing; dark purple-blue. 3 to 5 feet.....	\$0 05	\$0 20
75480 White. A pretty white form of above.....	05	20

Continuation of Flower Seeds, General List

FLOWER SEEDS DELIVERED FREE BY MAIL ON RECEIPT OF THE STATED PRICE. PRICE PER OUNCE OR POUND FOR THOSE NOT QUOTED, ON APPLICATION

Not less than one ounce at ounce rate, on articles quoted at lower than \$1 per ounce

Explanation of Signs Employed in this List

The asterisk (*) designates *ornamental-leaved* plants. This mark (‡) prefixed indicates the *climbers*.

The third column presents in figures the COMPARATIVE TIME OF FLOWERING, thus:

1 designates early—blooming in spring and early summer.

2 designates intermediate—blooming in midsummer.

3 designates late—blooming in late summer and autumn.

The fourth column gives the DURATION OF CHARACTER, and HARDINESS.

A represents Annual—lasting but one year.

S represents Shrubs—plants of bushy habit.

B " Biennial—lasting two years.

G " greenhouse plants.

P " Perennial—lasting three or more years.

Bu " bulbous plants.

E " Evergreen—retains foliage the entire year.

. . . designates, in every case, repetition.

As a large number of Biennials and Perennials, if sown early, flower the first season from seed, this distinguishing mark (†) is affixed to such.

The hardiness is denoted by the following abbreviations, but it should be understood that this is intended to apply to the climate of the Middle Atlantic states. Further north or south, these designations apply only in a comparative way.

h represents hardy—plants for open border. hh represents half-hardy—plants that require to be forwarded in pots or frames. t represents tender—requiring protection.

Customers will find it more convenient to order by number. This will facilitate the filling of their orders and will insure prompter shipment.

NUMBER AND NAME <small>‡ ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
75600 <i>Abobra viridiflora</i>	2 3	tA	green	6	cts. 10	Bears pretty scarlet fruits.
75620 <i>Abronia umbellata</i>	2	hA	rose	trail.	5	{ (Sand Verbena.) Fine trailers. Do best in light, sandy soil. Sow in open ground in May.
75630 — <i>grandiflora</i> . . . . .	.	.	.	.	5
75640 <i>arenaria</i> . . . . .	.	.	yellow	.	10
75650 ‡ <i>Abrus precatorius</i>	gP	purple	12	5	(Prayer Bean.) Pretty climber.
75670 <i>Abutilon compactum</i> , "Fireball"	2 3	gS	d. red	4	25	{ Free-growing decorative shrubs; bright bell-shaped flowers. Suitable for house, greenhouse or garden.
75680 <i>Edouard Lagueillon</i> . . . . .	.	.	.	.	25
75690 Mixed . . . . .	.	.	mixed	.	25
75710 <i>Acacia dealbata</i>	1	.	yellow	6	10	{ (Tassel Tree.) Greenhouse shrubs; graceful branches and fine racemes of yellow flowers, richly scented. Soak seeds in hot water before sow- ing, then plant in sandy peat in a temperature of 55° to 60°. 75780 is a very charming, floriferous shrub.
75714 <i>armata</i> . . . . .	.	.	.	.	10
75720 <i>cultriformis</i> . . . . .	.	.	.	.	10
75730 <i>decurrens</i> . . . . .	.	.	.	.	5
75740 <i>Farnesiana</i> . . . . .	.	.	.	10	5
75750 <i>Bayleyana</i> . . . . .	.	.	.	6-10	10
75760 <i>lophantha</i> . . . . .	.	.	.	6	5
75770 <i>Melanoxylon</i> . . . . .	.	.	.	.	10
75780 <i>mollissima floribunda</i> . . . . .	.	.	.	7	10
75790 <i>pycnantha</i> . . . . .	.	.	.	.	10
75800 Fine mixed . . . . .	.	.	mixed	.	5
75840 <i>Acanthus mollis</i>	3	hP	white	3	10	{ (Bear's Breech.) Leaves are ornamental and valuable for decorative purposes.
75850 <i>spinosus</i>	2	.	purple	.	10	
75870 <i>Achillea Ptarmica</i> , Double, "The Pearl"	2 3	.	white	1½	25	{ Free bloomer; fine for florists for cut-flowers.
75890 <i>Achimenes</i> , Best Mixed	2	gP	mixed	.	25	Saved from finest collection.
Aconitum—						
75920 <i>Napellus</i> (Monk's Hood)	hP	blue	4	10	{ Hardy, popular plants, with panicles of helmet-shaped flowers.
75930 <i>pyramidatum</i> . . . . .	.	.	.	.	15
75940 Mixed . . . . .	.	.	mixed	.	10
75950 <i>Acroclinium roseum</i>	hhA	v. & ro.	1	5	{ Graceful plants, with everlast- ing flowers, much used for winter decorations. Flower- heads should be gathered when young, to be preserved.
75960 — <i>album</i> . . . . .	.	.	white	.	5
75970 — <i>Mixed</i> . . . . .	.	.	mixed	.	5
75980 — <i>Double Rose</i> . . . . .	.	.	rose	.	5
75990 — <i>White</i> . . . . .	.	.	white	.	5
76000 — <i>Mixed</i> . . . . .	.	.	mixed	.	5
76010 <i>Adenophora Potanini</i>	2 3	hP	l. blue	.	25	(Gland Bellflower.) Fine.
76030 ‡ <i>Adlumia cirrhosa</i>	2	hB	pink	15	10	(Climbing Fumitory.) Fine.

NUMBER AND NAME <i>See 1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
76050	<i>Adonis autumnalis</i> . . . oz., 25c.	2 3	hA	scarlet	1	5	} Attractive, bright flowers. 76070 is a very fine hardy perennial. (African Lily.) Beautiful. (Blue Daisy.) Winter bloom. See page 66.
76060	<i>æstivalis</i> . . . oz., 25c.	1	hP	crim.	1	5	
76070	<i>vernalis</i> (ox-eye) . . . oz., 30c.	1	hP	yellow	1 1/2	5	
76080	<i>Agapanthus umbellatus</i> . . .	1	tP	blue	1	10	
76100	<i>Agathæa cœlestis</i> . . .	1	hP	blue	1	25	} The Rose of Heaven is very free-flowering and easily grown. Fine for beds. The Rose Campion is a perennial species, free-blooming and very pretty. Excellent for naturalizing in dry situations.
	<i>Ageratum</i> . . .	1	hP	blue	1	5	
	<i>Agrostemma</i> —	1	hP	blue	1	5	
76130	<i>Cœli Rosa</i> (Rose of Heaven). . .	2 3	hA	rose	1	5	
76140	— <i>alba</i> . . .	1	hP	white	1	5	} (Mask Flower.) Bright little annuals of fine habit; re- quire some protection in cold weather. Sow in hotbed, and plant out early in May.
76150	<i>coronaria</i> (Rose Campion) . . .	1	hP	rose	1-2	5	
76160	—Dark Blood-Red . . .	1	hP	d. red	1	10	
76170	—White . . .	1	hP	white	1	5	
76180	—Mixed . . . oz., 30c.	1	hP	mixed	1	5	} Very pretty for edgings. (Peruvian Lily.) 76270 is bril- liant yellow, with red streaks.
76190	<i>flos Jovis</i> . . .	1	hP	rose	1	5	
76210	<i>Alonsoa grandiflora</i> . . .	1 3	hhA	scarlet	2	5	
76220	<i>albiflora</i> . . .	1	hP	white	1	5	
76230	<i>linifolia</i> . . .	1	hP	scarlet	1 1/2	5	} Strong-growing, highly orna- mental plants. The <i>tricolor</i> varieties are very valuable for bedding, having elegant ornamental foliage, varie- gated crimson, yellow and green; also well adapted for growing in pots. Of easy cul- ture, doing best in rich, loam soil. For best results, sow in hotbed in April and plant out the end of May. Please note that seed saved from the finest sorts frequently produces inferior plants.
76240	<i>myrtifolia</i> . . .	1	hP	white	2 1/2	5	
76250	<i>Warszewiczii</i> . . .	1	hP	white	2	5	
76260	<i>Alsine pinifolia</i> . . .	2 3	hP	white	1 1/2	10	
76270	<i>Alstrœmeria pulchella</i> . . .	1 2	gP	yel. & r.	3	10	} See Hollyhocks, page 78. See page 67.
76280	Mixed . . .	1	hP	mixed	1	10	
	<i>Althæa rosea</i> . . .	1	hP	white	1	5	
	<i>Alyssum</i> . . .	1	hP	white	1	5	
76290	* <i>Amarantus abyssinicus</i> . . .	2 3	tA	d. red	1	5	} Pretty everlastings of easy cul- tivation. (For sunny situation. Fine bor- der plant.)
76300	* <i>bicolor ruber</i> . . .	1	hP	red	2	5	
76310	* <i>cruentus</i> (Prince's Feather) . . .	1	hP	d. red	3	5	
76320	* <i>caudatus</i> (Love - Lies - Bleed- ing) . . . oz., 25c.	1	hP	white	1	5	
76330	* <i>coleifolius</i> . . .	1	hP	white	1	5	} Very attractive. Fine for cut- flowers and bouquets.
76340	* <i>Henderi</i> . . .	1	hP	cr. & y.	4	5	
76350	* <i>melancholicus ruber</i> . . .	1	hP	red	2 1/2	5	
76360	* <i>salicifolius</i> (Fountain Plant) . . .	1	hP	purple	1	10	
76370	* <i>tricolor</i> (Joseph's Coat) oz., 25c.	1	hP	var.	1	5	} Beautiful spring flowers, re- quiring rich, deep soil. 76530 has large, pure white flowers, invaluable for cutting.
76380	*— <i>giganteus</i> . . .	1	hP	white	6	5	
76390	*— <i>splendens</i> . . .	1	hP	red	3	10	
76400	*Fine Mixed . . . oz., 20c.	1	hP	mixed	1	5	
	<i>Amethyst</i> . . .	1	hP	white	1	5	} Fine, sweet-scented; for pots.
76440	<i>Ammobium alatum</i> . . .	2	hhP	white	3	5	
76450	— <i>grandiflorum</i> . . .	1	hP	white	1	5	
76470	<i>Anagallis grandiflora</i> mixed . . .	1 3	hhA	mixed	1-2	10	
76480	<i>Anchusa capensis</i> . . .	2	hP	purple	1 1/2	10	} Pretty golden yellow flowers. 76660 is very fine. Pretty greenhouse climber. See Snapdragon, page 92. See page 67.
76490	<i>Barrelieri</i> . . .	1	hP	d. blue	2	10	
	<i>Anemone</i> —	1	hP	white	1	5	
76510	<i>coronaria</i> (St. Brigid Poppy- flowered) . . .	1	hP	mixed	1	10	
76514	— <i>caen</i> mixed . . .	1	hP	white	1 1/2	10	} Fine decorative plant, bearing bright coral berries.
76520	<i>japonica rosea</i> . . .	3	hP	rose	2	25	
76530	— <i>alba</i> . . .	1	hP	white	1	25	
76570	<i>sylvestris</i> . . .	1	hP	red	1 1/2	10	
76630	<i>Angelonia grandiflora</i> . . .	1	gP	purple	1	25	} Pretty golden yellow flowers. 76660 is very fine. Pretty greenhouse climber. See Snapdragon, page 92. See page 67.
76650	<i>Anthemis arabica</i> (Rock Camo- mile) . . .	1	hA	yellow	1	5	
76660	<i>Kelwayi tinctoria</i> . . .	1 2	hP	pink	2-3	10	
76680	† <i>Antigonon leptopus</i> . . .	3	gP	pink	diff.	5	
	<i>Antirrhinum</i> . . .	1	hP	white	1	5	} 76700 is "Rock Cross;" 76710 is a rare species.
	<i>Aquilegia</i> . . .	1	hP	white	1	10	
76700	<i>Arabis alpina</i> . . .	1 3	hP	rose	1 1/2	50	
76710	<i>rosea</i> . . .	1	hP	white	1	50	
76740	<i>Arctotis grandis</i> . . .	2	hA	w. & y.	2	10	} Fine for cutting.
76760	<i>Ardisia crenulata</i> . . .	2 3	gS	red	5	25	

NUMBER AND NAME		Time of Flowering	Hardiness and Duration	Color of the Flower	Height In Feet	Price per Packet	GENERAL OBSERVATIONS	
3/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.								
76790	Argemone grandiflora . . oz., 50c.	2	3	hA	white	2	In a large garden the foliage and flowers are effective. 76810 is the Silver Poppy.	
76800	—lutea oz., 50c.	.	.	.	yellow	10		
76810	hispida . . . . .	.	.	hP	white	10
76840	†Aristolochia elegans	2	gP	pu. & w.	20	25	A. Sipho is the "Dutchman's Pipe," a hardy climber.	
76850	Sipho . . . . .	.	hP	br. & y.	30	25	
76890	Arnebia cornuta	3	hhA	yellow	1	25	Rich yellow, spotted maroon.	
76930	Asclepias Curassavica	1	3	gP	orange	3	Swallow-wort; free-bloomer.	
76940	—atrosanguinea	dk. red	10	Rich crimson.	
76950	incarnata	2	hP	rose-p.	.	10	Swamp Milkweed.	
76960	tuberosa . . . . .	.	.	.	orange	2
77000	Asparagus Sprengeri	1	gP	white	4	10	Beautiful fern-like foliage; fine for bouquets. A. plumosus nanus is the dwarf variety, with finely cut foliage, now so largely used by florists.	
77010	‡plumosus nanus 100 seeds, 60c.	.	.	.	.	6
77030	scandens deflexus. 15 seeds in packet	25	Sweet-scented, long bloomers; for borders or rockwork.	
77060	Asperula azurea setosa	2	3	hhA	l. blue	1		
77070	odorata (Woodruff)	hP	white	1 1/2	10	See pages 65 and 66. See Spiræa, page 115.	
Asters								
Astilbe Davidii							Resembling Alyssum in character; fine for rockwork or bedding. A. Eyrii has lovely large, violet flowers.	
77100	Aubrietia deltoidea	1	.	.	trai.	25		
77110	Eyrii	violet	25	{ (Primula auricula). Beautiful shades of color.	
77120	græca	1	3	.	blue	10		
77130	Leichtlinii (rosy carmine)	carmine	25	Seeds from finest varieties. See Gomphrena, page 107. See Momordica, page 111. See page 68.	
77150	Auricula, Finest Mixed	1	.	.	mixed	1/2		
77170	Azalea hybrida indica	2	hS	.	2	25	(Cardiospermum.) Pretty. See Musa Ensete, page 111.	
Bachelor's Button								
Balsam Apple and Pear							{ (False Indigo.) It has beautiful light blue flowers. Golden yellow flowers; very fragrant in the evening.	
Balsams								
77190	‡Balloon Vine oz., 25c.	2	3	hhA	w. & gr.	10	5	
Banana							Beets, having no tubers, but with handsome ornamental foliage of very beautiful, rich colors. Very effective in center of beds, or anywhere in contrast with other plants.	
77210	Baptisia australis	2	hP	blue	2	5		
77230	Bartonia aurea oz., 40c.	1	3	hA	yellow	3	10	
77240	—nana oz., 50c.	1 1/2	10	
*Beet, Ornamental—							Beets, having no tubers, but with handsome ornamental foliage of very beautiful, rich colors. Very effective in center of beds, or anywhere in contrast with other plants.	
77270	*Brazilian, G'd'n-lyd. oz., 20c.	.	.	.	.	5
77280	*—Scarlet-veined . . . oz., 20c.	.	.	.	.	5
77290	*—Crimson-veined . . . oz., 20c.	.	.	.	.	5
77300	*Chilian Scarlet-rib'd oz., 20c.	.	.	.	.	5
77310	*—Yellow-ribbed . . . oz., 20c.	.	.	.	.	5
77320	*Victoria oz., 20c.	.	.	.	.	5
77330	*Dracæna-leaved . . . oz., 20c.	.	.	.	.	5
77370	Begonia, Single Tuberous-root'd . . . . .	.	gP	mixed	.	25	
77380	Double Tuberous-rooted . . . . .	.	.	.	.	75
77390	Fringed Single Tuberous	50	Fine for growing in pots, being perfect in habit, with handsome foliage. 77410 has dark scarlet flowers and reddish brown foliage. No. 77490 has scarlet flowers and beautiful golden yellow leaves excellent for edging. B. Erfordii is a free-blooming, rosy carmine variety; fine for groups. Zulu King is a splendid sort, with leaves almost black. 77430 has metallic foliage and rose flowers. For winter blooming.	
77400	Erfordii . . . . .	.	.	carmine	.	50
77410	gracilis luminosa . . . . .	.	.	d. scar.	1 1/2-2	25
77430	metallica . . . . .	.	.	rose	3	75
77440	*Rex, Ornamental-leaved . . . . .	.	.	mixed	1	25
77450	semperflorens . . . . .	.	.	rose	.	25
77460	—alba . . . . .	.	.	white	.	25
77470	—Vernon, red, for borders . . . . .	.	.	red	.	25
77480	—Bijou, bright scarlet . . . . .	.	.	scarlet	1/2	25
77490	—fol. aureis, yellow-leaved . . . . .	.	.	.	1	25
77500	—Zulu King, black-leaved . . . . .	.	.	.	.	25
77510	—mixed . . . . .	.	.	mixed	.	25
77530	hybrida crispa fimbriata m'xd	2	.	.	1 1/2	25		
77540	COLLECTIONS, including 12 varieties Tuberous-rooted					\$1 50		
77550	6 vars. Tuberous-rooted					85		
Bellis perennis								See Daisy, page 75.
77590	Benincasa cerifera	2	3	tA	yellow	6		10	Black, wax-like gourd.
77610	Bidens atrosanguinea	hA	d. red	2	10	Showy, like the Calliopsis.	

NUMBER AND NAME <small>See 1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
Blazing Star					cts.	See Liatris, No. 83530.
Blue Bottle						See <i>Centaurea Cyanus</i> , p. 72.
77640 * <i>Bocconia japonica</i>	2 3	hP	white	4	10	Ornamental habit and foliage.
77660 <i>Boltonia asteroides</i>	3	.	flesh	3	25	Tall and leafy plants for hardy
77670 <i>latisquama</i> .....	.	.	pink	.	10	border. Profuse bloomers; easily grown.
77680 <i>Bouvardia Jacquinii</i>	2 3	gP	scarlet	2	25	Fine greenhouse evergreen.
77700 <i>Brachycome iberidifolia</i>	3	hhA	purple	1	10	(Swan River Daisy.) For edging.
77710 —alba .....	.	.	white	.	10	Should be started in
77712 —rosea .....	.	.	rose	.	10	hotbed. No. 77716 is a
77716 —Snow Star .....	.	.	white	.	15	magnificent pure white variety.
77720 —Mixed .....	.	.	mixed	.	10	
77740 <i>Brickellia grandiflora</i>	2 3	hP	buff	2-3	25	Great Tasselwort.
77770 <i>Browallia elata</i>	2	gA	blue	2	10	(Amethyst.) Elegant greenhouse
77780 —alba .....	.	.	white	.	10	annuals; fine for cutting.
77790 —Mixed .....	.	.	mixed	.	10	77800 has large, lovely
77800 <i>Rœzlii</i> (Fine for pots) .....	.	.	var.	.	25	flowers, some white, some
77810 <i>speciosa major</i> .....	.	.	blue	.	25	pale blue.
77830 <i>Bryonopsis laciniosa erythrocarpa</i> .....	.	tA	red	5	5	Very pretty ornamental gourd.
77850 <i>Bupththalmum cordifolium</i> .....	.	hP	yellow	1	5	Ornamental hardy perennial.
77870 <i>Cacalia coccinea</i> .....	.	hA	scarlet	2	5	(Tassel Flower.) Very pretty
77880 —lutea .....	.	.	orange	.	5	annuals; easily grown.
77890 <i>aurea</i> .....	.	.	yellow	.	5	
77900 <i>Cactus</i> , Mixed .....	.	hhP	mixed	diff.	25	Start in greenhouse in moist sand.
77920 † <i>Calampelis scabra</i>	3	†hP	orange	6	10	Fine climber for trellises.
77940 <i>Calandrinia Burridgi</i>	2 3	hA	red	1/2	5	Brightly colored little plants;
77950 <i>speciosa</i> .....	.	.	purple	1/4	5	fine for edgings; plant in
77960 <i>umbellata</i> .....	.	hhP	violet	1/2	10	sunny situations.
<i>Calceolaria hybrida</i> —						Splendid greenhouse plants,
77980 Large-flowered, self-colored .....	.	gP	mixed	2	25	with flowers beautifully
77990 —Tigered, or Spotted .....	.	.	.	.	25	striped, blotched and variegated.
78000 —Dwarf Tigered .....	.	.	.	1	25	Our seeds are saved
78010 —Tigered and Self-colored .....	.	.	.	2	25	from the finest varieties.
78020 <i>rugosa</i> (shrubby) .....	.	.	.	1	50	Special cultural directions are given on page 64.
78040 <i>Calceolaria pinnata</i> .....	.	hA	yellow	.	15	Excellent bedding varieties.
78050 <i>scabiosæfolia</i> (californica) .....	.	.	.	.	10	
<i>Calendula</i>						See page 68.
78070 <i>Calla æthiopica</i>	2	gP	white	2	10	78070 is the White Calla. 78080
78080 <i>Elliottiana</i> (20 seeds in pkt.) .....	.	.	yellow	.	25	is deep yellow with spotted leaves; very desirable.
<i>Calliopsis</i>						See page 68.
78090 <i>Callirhoe involucrata</i>	1 3	hP	c. & w.	trail.	10	Free-flowering, of pretty colors.
78100 <i>pedata</i> .....	.	hA	v. & w.	2	5	Start in frame early.
78120 <i>Camellia japonica</i> ....oz., 6oc.	.	gP	mixed	3	10	Grand greenhouse plant.
<i>Campanula</i>						See page 69.
78140 † <i>Canary-Bird Flower</i> ....oz., 3oc.	2 3	hhA	yellow	10	10	(<i>Tropæolum Canariense</i>). See page 70.
<i>Candytuft</i>						
78160 * <i>Canna</i> , Dark-leaved. ....oz., 4oc.	1 3	gP	mixed	4	5	Cannas, or Indian Shot, are ornamental;
78170 * <i>Queen Charlotte</i> .....	.	.	sc. & yl.	.	10	much employed in subtropical gardening for
78180 * <i>Crozy's Finest Mixed</i> ....oz., 4oc.	.	.	mixed	3 1/2	10	groups and masses.
78200 <i>Cannabis gigantea</i> ....oz., 25c.	.	hhA	.	10	5	(Giant Hemp.) For backs of borders.
<i>Canterbury Bells</i>						See <i>Campanula</i> , page 69.
78220 <i>Carduus benedictus</i> ....oz., 3oc.	2	hA	yellow	2	5	(Blessed Thistle.) Large, variegated leaves; fine for edging.
78230 <i>Marianus</i> ....oz., 3oc.	.	.	purple	2-4	5	78230 is Ornamental Thistle. See page 71.
<i>Carnation</i>						
78240 <i>Castilleja indivisa</i>	2 3	†hhP	b. crim.	1 1/2	25	Ornamental plants, with beautiful bracts. Brilliant crimson.

NUMBER AND NAME <small>See ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
Castor Oil Plant.....					cts.	See Ricinus, page 90.
78260 <i>Catananche cœrulea alba</i> (bicol.)	2 3	†hP	bl.&wh.	2	10	} Everlasting flowers. Bright colors and free-flowering.
78270 <i>cœrulea</i> .....	. .	. .	blue	. .	10	
Catchfly.....						See Silene, page 115.
78290 <i>Cedronella cana</i>	2 3	hP	purple	3	25	Purplish crimson flowers.
78310 * <i>Celosia Huttoni</i> (dark foliage).	3	tA	claret	. .	15	} Fine for vases; splendid foliage plants.
78320 * <i>Thompsoni magnifica</i>.....	. .	. .	var.	. .	15	
78330 * <i>spicata</i>.....	. .	. .	r. & wh.	1	10	
<i>Celosia Ostrich Feather</i>						See page 70.
<i>Celosia cristata</i>						See Cockscomb, page 74.
<i>Centaurea</i>						See page 72.
78350 <i>Centaureidium Drummondii</i> ...	2	hA	yellow	1½	10	Pretty little Composite.
Centranthus—						
78380 <i>macrosiphon</i>.....oz., 30c.	1 3	. .	red	1	5	} Very pretty free-flowering annuals, suitable for rockeries and vases.
78400 — <i>nanus</i>.....oz., 30c.	. .	. .	red	½	5	
78404 — <i>albus</i>.....oz., 30c.	. .	. .	white	. .	5	
78410 —Mixed.....oz., 30c.	. .	. .	mixed	1	5	
78460 <i>Cephalaria tatarica</i>	1 2	hP	yellow	6	10	Fine for backgrounds and bees.
78480 <i>Cerastium tomentosum</i>	2 3	. .	white	trail.	25	} Fine edging plants; pretty.
78490 <i>Biebersteini</i>	1	. .	. .	. .	10	
78510 <i>Cerinthe retorta</i>, 50c.	. .	hA	yellow	1½	10	} Valuable for bees. Decorative.
78520 Mixed .....	. .	. .	mixed	. .	5	
78540 <i>Chamæpeuce Casabonæ</i> .....	. .	hP	. .	2	10	Fishbone Thistle.
78550 <i>diacantha</i>.....	. .	. .	. .	. .	10	Ivory Thistle.
78560 <i>Chelone barbata coccinea</i>	3	†hhP	purple	. .	10	} Very pretty.
78570 — <i>hybrida</i> , Mixed.....oz., 75c.	. .	. .	mixed	. .	10	
78590 <i>Chorizema varium</i>	1 3	gS	scarlet	3	25	A fine greenhouse plant.
Christmas Rose						See <i>Helleborus niger</i> , page 108.
Chrysanthemum.....						See page 73.
Cineraria hybrida—						
78640 White. Large-flowered.....	1	†gB	white	2	25	} Among the most ornamental and useful of greenhouse plants; very beautiful and showy, the colors being distinct and bright. No. 78676 is a new mixture of large-flowered flesh-colored varieties. Nos. 78690 and 78700 are magnificent large-flowered prize strains.
78650 Azure-Blue Dwarf .....	. .	. .	blue	. .	25	
78660 Crimson, Large-flowered .....	. .	. .	crim.	. .	25	
78670 Blood-Red, Large-flowered .....	. .	. .	d. red	. .	25	
78676 Flesh vars., Large-flowered.....	. .	. .	mixed	. .	50	
78680 Splendid Mixed.....	. .	. .	. .	. .	25	
78690 —Large-fl'd Half Dwarf.....	. .	. .	. .	1	60	
78700 —Large-flowered Prize .....	. .	. .	. .	2	60	
78710 —Double.....	2	. .	. .	. .	75	
78720 <i>stellata</i> (polyantha).....	. .	. .	. .	. .	25	
78740 <i>Cineraria maritima</i> ....oz., 40c.	. .	hhP	yellow	. .	5	} Dusty Miller. No. 78750 has silvery and 78760, pure white foliage.
78750 — <i>candidissima</i>.....	. .	. .	. .	. .	5	
78760 —“Diamond” .....	. .	. .	. .	. .	10	
Clarkia.....						See page 74.
78780 Clary, Purple-top, 25c.	1 2	hA	purple	. .	5	} (<i>Salvia Horminum</i> .) Odd but pretty flowers.
78790 Red-top.....oz., 25c.	. .	. .	red	. .	5	
78800 White-top.....oz., 25c.	. .	. .	white	1½	5	
†Clematis—						
78830 <i>Douglasii</i> (not a climber).....	. .	. .	purple	2	5	} (Virgin's Bower.) Excellent for trellises, verandas, etc. 78830 and 78836 are Bush Clematis. <i>C. paniculata</i> is fragrant, rapid-growing, free blooming. For other sorts, see Tree Seeds.
78836 <i>Davidiana</i> (not a climber)...	2 3	hP	lav.	2-3	10	
78840 <i>flammula</i>.....	. .	. .	white	15	5	
78850 <i>Jackmanni</i> hybrids .....	. .	. .	vars.	10	10	
78860 <i>paniculata</i>.....	. .	. .	white	10-40	10	
78880 * <i>Cleome pungens</i>	1 3	tB	pink	2	10	} Curious; very ornamental, on Castor Oil Plant style. Sandy soil suits them best.
78890 * <i>speciosa</i>.....	. .	hA	purple	. .	10	
78910 <i>Clianthus Dampieri</i>	1 2	gS	scarlet	3	15	} Greenhouse plants, with pea-shaped flowers. Soak seeds in hot water before sowing.
78920 <i>puniceus</i>.....	. .	. .	crim.	6	15	
78940 <i>Clintonia</i> (<i>Downingia</i>) <i>pulchella</i>	2	hA	tricolor	½	25	Very pretty for edgings.
78960 † <i>Clitoria ternatea</i>	2 3	hB	blue	15	10	} Beautiful greenhouse and conservatory climber.
78970 — <i>alba</i>.....	. .	. .	white	. .	10	

NUMBER AND NAME <i>1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
78990 † <i>Cobæa scandens</i>.....oz., 75c.	2 3	†tP	purple	20	10	Rapid-growing; start in the house.
79000 — <i>alba</i>.....oz., \$1	.	.	white	.	15	
79010 <i>macrostemma</i>.....	.	.	violet	.	25
79030 † <i>Coccinia indica</i>	tA	red	6	10	Ornamental gourd marked with white lines, turning scarlet. See page 74.
Cockscomb.....	.	.	.	.	.
79050 <i>Coffea arabica</i>	gS	white	5	25	Coffee Tree. Very ornamental. White fl'rs, scarlet berries. Splendid bedding plants, with beautifully colored foliage. Very useful for decorative purposes.
79070 * <i>Coleus</i> . Fine hybrids.....	.	gP	mixed	2	25	
COLLECTIONS, including—	.	.	.	.	.
79090 12 varieties <i>Coleus</i>	\$1 25	Free-flowering Annuals. If sown in autumn, will stand the winter and flower early in spring. All the species are brightly colored, and excellent for growing in patches or clumps; easily grown in any garden soil.
79100 6 varieties <i>Coleus</i>.....	.	.	.	.	75
79130 <i>Collinsia bartsiaefolia</i> ..oz., 25c.	2	hA	purple	1	5	
79140 <i>bicolor</i>.....oz., 25c.	1 2	.	p. & w.	1 1/2	5	
79150 — <i>alba</i>.....oz., 25c.	.	.	white	.	5	
79160 — <i>candidissima</i>.....oz., 25c.	2	.	.	1	5	
79170 <i>grandiflora</i>.....oz., 25c.	.	.	blue	.	5	
79180 <i>multicolor</i>.....oz., 25c.	.	.	w. & ro.	.	5	
79190 — <i>marmorata</i>.....oz., 25c.	2 3	.	.	.	5	
79200 <i>verna</i>.....oz., 40c.	1 3	.	bl. & p.	1/2	5	
79210 Mixed.....oz., 25c.	.	.	mixed	2	5	
79240 <i>Collomia coccinea</i>.....oz., 25c.	2 3	.	s. & y.	.	5	Fine for bees; suitable for massing.
79250 <i>grandiflora</i>.....oz., 25c.	.	.	yellow	.	5	
Columbine.....	See Aquilegia, page 67.
79270 <i>Commelyna cœlestis</i>	1	hhP	blue	1	5	Showy, favorite plants for pots and gardens, where they grow finely.
79280 — <i>alba</i>.....	.	.	white	.	10
79290 *— <i>variegata</i>.....	.	.	var.	2	5
† <i>Convolvulus</i> , Tall—	Pretty; fine for baskets; good for screens. 79340 has large flowers in great variety of exquisite colorings and handsome foliage. For Japanese Morning-Glory, see page 81.
79320 <i>aureus superbus</i>	2 3	hhA	gold	5	10	
79330 major, Morn'g-Glory. oz., 20c.	.	hA	mixed	10	5	
79340 —Double Morning-Glory ..oz., 40c.	.	.	.	.	10
79350 <i>mauritanicus</i>.....	.	hP	blue	trial.	10
<i>Convolvulus</i> , Dwarf—	These are fine Dwarf Morning-Glories for growing in clumps or beds, or for edging, and well adapted for rockeries and hanging baskets; bloom for a long time.
79380 <i>tricolor</i>.....oz., 25c.	1 3	hA	blue	1	5	
79390 —White.....oz., 25c.	.	.	white	.	5	
79400 — <i>unicaulis</i>.....oz., 25c.	.	.	purple	.	5	
79410 —Crimson-violet.....oz., 25c.	.	.	crim-v.	.	5	
79420 —Rose.....oz., 25c.	.	.	rose	.	5	
79430 —Mixed.....oz., 25c.	.	.	mixed	.	5	
COLLECTION, including—	.	.	.	.	.
79460 8 vars. <i>Convolvulus minor</i>	35	Beautiful foliage plants for vases or decorations.
79480 * <i>Cordylina australis</i>	3	gS	white	3	15	
79490 * <i>indivisa lineata</i>	10	10	See Calliopsis, page 68.
Coreopsis.....	.	.	.	.	.
Cornflower.....	See <i>Centaurea Cyanus</i> , page 72.
79520 <i>Cosmidium Burridgeanum</i>	2	hA	orange	2	5	Very showy. See page 74.
Cosmos.....	.	.	.	.	.
79540 Cotton (<i>Gossypium</i>).....	2 3	tA	yellow	3	5	Curious; for pots and gardens. Favorite spring flower.
79560 Cowslip (<i>Primula officinalis hybrida</i>).....	1	hP	mixed	1/2	10	
79580 <i>Crucianella stylosa</i>	2	.	cr. pink	.	5	Crosswort.
† <i>Cucumis</i> —	Of extremely rapid growth, bearing curious fruits. 79610 is the Rag or Dish-cloth Gourd, the peculiar interior of which is useful in the kitchen when properly prepared.
79600 <i>erinaceus</i> (Hedge-hog Gourd)	2 3	hhA	yellow	8	10	
79610 <i>acutangulus</i> (Rag Gourd)....	2	.	.	.	5	
79620 <i>flexuosus</i> (Snake Cucumber).	2 3	.	.	10	5	
79630 <i>grossulariaeformis</i> (Gooseberry Gourd).....	2	.	.	6	10	
79660 <i>odoratissimus</i> (Pomegranate Melon).....	.	.	.	.	5
79680 <i>perennis</i> (very fine).....	2 3	hhP	.	15	10	
Cucurbita.....	See Gourds, page 108.

NUMBER AND NAME <small>See ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
79700	<i>Cuphea miniata</i>	3	†hhP	crim.	1	10	These are very pretty greenhouse plants, and are also good for the border, being continually in bloom. No. 79710 is well known as "Cigar Plant."
79710	<i>platycentra</i>	1 3	.	s. & w.	.	25	
79720	<i>purpurea</i> , Mixed	3	.	mixed	.	5	
79730	<i>eminens</i> . . . . .	.	.	s. & y.	1½	10
79740	<i>Rœzlii</i>	1 3	.	yel. & r.	1	25	
79750	<i>strigulosa</i> . . . . .	.	.	violet	.	25
<i>Cyclamen giganteum</i> — 100 sds.							Sow seed in small boxes or seed pans, in a compost of well-rotted manure, leaf-mould and sand. Cover lightly with moss, which remove after seed germinates. Prick out into small pots when the plants have two leaves. They flower in 10 or 12 months. 79800 is a beautiful sort, fringed white and pink. No. 79784 is a fine white sort with red eye.
79780	—album "Mont Blanc" . . \$1	1	gBu	white	¾	25	
79784	—albo-rubrum \$1	.	.	w. & r.	.	25	
79790	—atropurpureum \$1	.	.	d. red	.	25	
79800	—Aurora Borealis . . . \$1.25	.	.	w. & p.	.	25	
79804	—cardinal \$1	.	.	cardinal	.	25	
79810	—superbum \$1	.	.	w. & r.	.	25	
79820	—lilacinum \$1	.	.	lilac	.	25	
79830	—roseum, bright rose . . \$1	.	.	rose	.	25	
79840	—Salmon Queen \$1.25	.	.	salmon	.	25	
79850	—Mixed \$1	.	.	mixed	.	25	
79860	<i>Persicum</i>	¼	10	Beautiful climber.
79870	— <i>Papilio</i> \$1.50	.	.	.	¾	25	
79900	† <i>Cyclanthera explodens</i>	2	hhA	yellow	8	10	Perennial greenhouse or window plant of elegant habit. See <i>Ipomœa Quamoclit</i> , p. 79.
79920	<i>Cyperus alternifolius</i>	1	tP	apricot	2	15	
<i>Cypress Vine</i>							All the varieties are fine. "Jules Chretien" is a very dwarf, single strain, growing from 10 to 15 inches high, and flowering the first season from seed. Valuable bedding sort, flowering through the summer from June to October in great profusion. Also fine for pots. 79950 has very large, mauve-colored flowers veined with pink; quite distinct. 79990 has flowers over 6 inches across.
79940	<i>Dahlia</i> , Double Mixed. oz., \$1.25	3	†hhP	mixed	6	10	
79950	<i>Imperialis</i> (The Lily <i>Dahlia</i>) . . . . .	.	.	mauve	10	25
79960	Single Mixed oz., 50c.	.	.	mixed	.	10	
79970	<i>Cactus</i> , Mixed oz. \$1.50	.	.	.	3	10	
79976	<i>coronata</i> . Sweet-scented	2 3	hA	or. yel.	.	25	
79980	"Lucifer" Single (Black foliage)	3	†hhP	dk. red	2½	10	
79990	"Monarch" <i>Cactus</i> . . . . .	.	.	.	6	10
80000	Dwarf Single, fine strain oz., \$1	.	.	mixed	1½	10	
80010	<i>Jules Chretien</i> , dwarf oz., \$1	2 3	.	scarlet	1	10	
80020	Single Collar (Collarette)	varies	3-4	10	See page 75. See <i>Chrysanthemum frutescens</i> , page 73. See <i>Brachycome</i> , page 102.
80040	"Fiery Star." Fine Single	1 2	.	scarlet	1	10	
80050	<i>variabilis</i> , Giant Hybrids	mixed	6	10	Early-flowering and scented.
COLLECTIONS, including—							
80070	6 vars. Single <i>Dahlia</i>					60	Very showy and large trumpet-shaped flowers. 80120 has immense flowers, beautifully colored. Golden Queen is a splendid double, bright yellow and showy variety.
<i>Daisy</i> , English, Shasta, etc.							
<i>Daisy</i> , Paris							See page 75. See Pink, Carnation, Picotee.
<i>Daisy</i> , Swan River							
80100	<i>Daphne Mezereum</i>	hS	pink	3-4	25	(Gas Plant.) The leaves, when rubbed, have a lemon odor. Leave undisturbed for years.
80110	<i>Datura metelloides</i> (Wrighti)	1 2	hhA	w. & li.	.	5	
80120	<i>cornucopia</i>	violet	.	5	See Trachymene, page 116. See Foxglove, page 77.
80130	Golden Queen fl. pl. . . . .	.	.	yellow	.	5
80140	<i>humilis flava</i> fl. pl.	5	See page 75.
80150	<i>fastuosa</i> , Double White . . . . .	.	.	white	.	5
80160	—Double Violet	violet	.	5	See Pink, Carnation, Picotee.
<i>Delphinium</i>							
<i>Dianthus</i>							(African Orange <i>Daisy</i> .) Fine.
80210	<i>Dictamnus Fraxinella</i> . . . . .	.	hP	red	2	10
80220	—album	white	.	10	(Hyacinth Bean.) Rapid-growing and free-flowering; good for screens. No. 80300 is a most beautiful large white-flowered variety from Japan. In sunny situations 80310 is good for flower and foliage.
80230	—Mixed . . . . .	.	.	mixed	.	10
<i>Didiscus</i>							See Foxglove, page 77.
<i>Digitalis</i>							
80250	<i>Dimorphotheca aurantiaca</i>	1	hA	orange	1-1½	10	(African Orange <i>Daisy</i> .) Fine.
80260	† <i>Dolichos Lablab</i> oz., 20c.	.	hA	purple	10	5	
80270	—album oz., 20c.	.	.	white	.	5	See page 75.
80280	—Mixed oz., 20c.	.	.	mixed	.	5	
80290	<i>giganteus</i>	white	.	10	See page 75.
80300	<i>japonicus</i> , "Daylight" . . . . .	.	.	.	.	10
80310	Purple Soudan	purple	.	10	See page 75.

NUMBER AND NAME <i>See ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
80340	<i>Doronicum caucasicum</i>	1 2	hP	yellow	2	25	Large yellow flowers.
80360	* <i>Dracæna Draco</i>	2	gP	white	10	25	{ See Cordylina. Ornamental greenhouse plants, with ele- gant leaves; very rich and desirable.
80380	* <i>indivisa lineata</i>					10	
	100 seeds, 50c.						
80410	<i>Dracocephalum moldavicum</i> ...	3	†hP	blue	2	5	(Balm). Fine for bees.
80430	<i>Echeveria secunda</i>	2	gP	yellow	½	25	{ Interesting greenhouse succu- lents; largely used for "car- pet" bedding. <i>E. Purpusi</i> is a hardy species; flowers red, with orange center and foli- age white-powdered.
80440	<i>metallica</i>					25	
80450	<i>agavoides</i>					25	
80460	<i>Purpusi</i> (splendid)		hP	red		25	
80500	† <i>Echinocystis lobata</i> ...oz., 30c.	2	hP	green	12	5	(Wild Cucumber.)
80520	<i>Echinops Ritro</i>			blue	2	10	Fine for bees.
80540	<i>Elsholtzia cristata</i>		hA	lilac	1½	10	Fine for bees.
80560	<i>Emmenanthe penduliflora</i>	2		yellow	1	25	"California Golden Bells."
80580	<i>Epacris hybrida superba</i>	1 2	gS	mixed	div.	50	Free-blooming, like Heath.
80600	<i>Eremurus himalaicus</i>		hhP	white	7	25	Strikingly handsome.
80620	<i>Erica</i> (Heath), Finest Mixed...		gS	mixed	2	25	Charming greenhouse shrubs.
80640	<i>Erigeron aurantiacum</i>		hP	orange	1	10	(Double Orange Daisy.)
80660	<i>Erinus alpinus</i>	2		blue	½	25	Beautiful for baskets.
80680	<i>Eryngium cœlestinum</i>	2 3			1½	10	Beautiful sky-blue flowers.
80690	<i>giganteum</i>				4	10	Silver Thistle.
80710	<i>Erysimum arkansanum</i> .oz., 25c.	1 2	hA	yellow		5	{ Free-flowering; of bright col- ors and neat habit.
80720	<i>Perofskianum</i>			orange		5	
80740	<i>Erythrina Crista-galli</i>	2 3	gS	scarlet		10	{ (Coral Tree.) Fine greenhouse shrub.
	<i>Eschscholtzia</i>						See page 76.
80760	<i>Eucharidium grandiflorum</i>	1 2	hA	rose	1	5	{ Graceful little plant. Fine for edging and pots. Showy.
80790	<i>Eupatorium Fraseri</i>	3	†hP	white		10	Fine for cutting.
80810	* <i>Euphorbia marginata</i> oz., 40c.		hA	w. & gr.	2	5	{ Very pretty. Showy. 80840 is the Mountain Spurge.
80820	<i>heterophylla</i>	2 3		carmine		10	
80830	<i>pulcherrima</i> (Poinsettia)		gS	ver. red	2-6	25	
80840	* <i>robusta</i>		hP	w. & gr.	1	25	
80860	<i>Eutoca multiflora</i>		hB	pink		5	{ Good serviceable flowering plants for bedding; free- blooming.
80870	<i>viscida</i>	1 3	hA	blue		5	
80880	<i>Wrangeliana</i>					5	
80890	Mixed			mixed		5	
80910	<i>Fenzlia dianthiflora</i>	1 2		rose	½	25	{ For ribbon gardening or pots.
80920	— <i>alba</i>			white		25.	
80930	Ferns, Mixed		gP			25	{ Sow in fine, sifted, sandy, peaty loam, covering the pots with pieces of glass.
	COLLECTION, including 12 of the finest sorts					\$1 25	
80940	<i>Feverfew</i>						See <i>Matricaria</i> , page 111.
	<i>Flax</i>						See <i>Linum</i> , page 110.
	<i>Forget-me-not</i> (<i>Myosotis</i>)						See page 76.
80970	Four O'clock, Hybrid..oz., 20c.	2 3	hA	mixed	2	5	{ (Mirabilis.) Called Four O'clocks because they open their blossoms at that hour in the afternoon. They are also known as "Marvel of Peru." Handsome, free- flowering, sweet-scented; blossoms variegated, striped and various colors.
80980	<i>longiflora alba</i>	2		white		5	
80990	Variegated-leaved ..oz., 20c.	2 3		mixed		5	
81000	Tom Thumb, White..oz., 30c.			white	1	5	
81010	" " Mixed..oz., 30c.			mixed		5	
	COLLECTIONS, including—						
81030	12 vars. Four O'clock					45	{ See page 77.
81040	6 " " "					30	
81050	6 " " " Stripe-P'd					25	
	<i>Foxglove</i>						
81070	<i>Fragaria indica</i>	1 2	hP	yellow	trail.	10	Beautiful scarlet fruit.
81090	<i>Freesia refracta alba</i>	3	gBu	white	2	5	Very sweet-scented flowers.

NUMBER AND NAME <i>See ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
81110	Fuchsia procumbens (for vases)	1	3	gS	blue	tra.	cts. 25
81120	triphylla. Dark-leaved.....	.	.	.	scarlet	.	50
81130	hybrida. Finest Mixed Single	.	.	.	mixed	div.	50
81140	—Finest Mixed Double .....	.	.	.	.	.	50
81150	Double and Single Mixed...	.	.	.	.	.	50
81160	COLLECTIONS, including 12 best varieties, 10 seeds of each..					\$1 25	("Ladies' Eardrop.") Well-known greenhouse plants. They require a firm, rich soil and a shady location.
Gaillardia							
81180	Galega officinalis	1	2	hP	blue	3	5
81190	—alba .....	.	.	.	white	.	10
81210	Gamolepis Tagetes	1	hhA	yellow	.	10	Tall, ornamental plants, suitable for borders or cutting.
81230	Gardenia Thunbergii.....	.	gS	white	2	25	Fine for beds.
81240	florida	2	3	p. yel.	4	10	Flowers very fragrant. Cape Jasmine.
81260	Gaura Lindheimeriana .oz., 50c.	1	2	hP	w. & r.	3	10
81270	coccinea	3	.	scarlet	½	10	Very effective in clumps.
81290	Genista canariensis	2	tP	yellow	2	10	Ornamental and free-flowering
81310	Gentiana acaulis	1	hP	d. blue	1 ¼	10	Showy, hardy plants. Valued for their beautiful flowers.
81320	Bigelovii	2	3	blue	1 ½	25	
81330	cruciata	1	.	.	1	10	81320 wonderfully floriferous.
81340	Andrewsii	2	3	pur. bl.	.	50	81340 is "Bottle Gentian."
81350	crinita	2	hB	blue	½	50	
81360	Geranium (Zonale) ....oz., 75c.	1	3	gP	scarlet	1 ½	10
81370	Double Scarlet .....	.	.	.	.	50	The most popular of bedding plants. See, also, Pelargonium, page 112.
81380	Apple-scented .....	.	.	pink	.	25	
81400	Geranium sanguineum .....	.	hP	purple	1	25	Quite distinct.
81430	Gerbera Jamesoni (15 s'd in pkt.)	2	hhP	scarlet	2	25	Scarlet Transvaal Daisy. No. 81440, fine new hybrids of G. Jamesoni, varying from pure white through shades of yellow, pale red and salmon to orange-rose, cherry-red, etc.
81440	—hybrida (new) .....	.	.	mixed	.	50	
81450	Gesneria macrantha	1	gP	scarlet	½	25	Beautiful greenhouse plants, with long-tubed flowers.
81460	Extra Mixed	2	.	mixed	.	25	
81480	Geum chiloense coccineum pl.	.	hP	scarlet	1 ½	15	Blooms freely for a long time. Fine for bouquets.
81490	—atrosanguineum fl. pl. ....	.	.	.	.	10	
81510	Gilia achilleæfolia	1	2	hA	blue	1	5
81520	—alba .....	.	.	white	.	5	Free-blooming annuals; fine for beds. Will bloom in any situation, look well on lawns in beds, are good for rockeries, and can be planted at any season.
81530	—rosea .....	.	.	rose	.	5	
81540	capitata .....	.	.	blue	.	5	
81550	—alba .....	.	.	white	.	5	
81560	laciniata .....	.	.	.	½	5	
81570	liniflora (for borders) .....	.	.	.	.	5	
81580	nivalis .....	.	.	.	1	5	
81590	tricolor .....	.	.	tricolor	.	5	
81600	—rosea splendens .....	.	.	rose	.	5	
81610	Mixed .....	.	.	mixed	.	5	
81630	Glaucium luteum	2	3	thP	yellow	4	5
81640	Burbank's Hybrids .....	.	.	vars.	.	10	(Horned Poppy.) Gray foliage. A fine mixture.
Globe Amaranth							See Gomphrena below.
81660	Globularia trichosantha	2	gP	blue	½	10	A very handsome plant.
81680	Gloxinia hybrida, Mixed	1	3	tgP	mixed	50	Greenhouse plants. They grow well in a light, rich soil. "Defiance" is of an intense, glowing scarlet. "Cyclops" and "Goliath" are fine varieties. If started inside in February, will bloom in summer.
81690	—crassifolia erecta .....	.	.	.	.	50	
81700	—horizontalis .....	.	.	.	.	50	
81710	—grandiflora, "Defiance" .....	.	.	scarlet	.	50	
81720	—French Tigered and Spotted .....	.	.	.	.	50	
81730	—gigantea, "Cyclops" .....	.	.	car. & w	.	50	
81740	—"Goliath" .....	.	.	v. & w.	.	50	
Godetia							See page 78.
Golden Feather							See Pyrethrum, page 114.
81760	Gomphrena globosa	2	3	hA	red	1	5
81770	—alba .....	.	.	white	.	5	The Globe Amaranths are among the most popular of the Everlastings. Their round heads of flowers are also called "Bachelor's Buttons." An old favorite for
81780	—carnea .....	.	.	pink	.	5	
81790	—variegata .....	.	.	striped	.	5	
81800	—nana compacta rubra .....	.	.	v. red	½	5	
81810	— — — alba .....	.	.	white	.	5	

NUMBER AND NAME <i>80 1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
Gomphrena globosa , continued					cts.	
81820 —Mixed	2 3	hA	mixed	1	5	winter bouquets. The best soil is a mixture of sandy loam, stable manure and some silver sand.
81830 aurea superba	orange	.	5	
81840 COLLECTION, including 6 varieties Globe Amaranth	30	
81860 Gourd , Mock Orange	2	tA	yellow	15	5	Excellent for covering verandas or trellis-work, and for training over arbors, fences, etc. Of rapid growth, with curious fruits and highly ornamental foliage. Cultivate same as melons. No. 81920 is the Chinese Luffa; the interior is useful as a sponge. No. 81884 is the Pipe Gourd. No. 81894 produces ball-shaped fruits 3 to 4 in. diam. with handles 2 to 3 ft. long.
81870 Apple-shaped	10	5	
81874 Egg-shaped	5	
81880 Pear-shaped	5	
81884 Calabash, Solace	10	5	
81890 Hercules' Club	15	5	
81894 Knob-Kerrie Gourd	gr. & yl.	10	5	
81900 Sugar Trough	5	
81910 lagenaria (Bottle Gourd)	5	
81920 Dish-cloth	8	5	
81930 Mixed	10-15	5	
81940 COLLECTION, including 12 varieties Gourds, small	50	
81960 Grammanthes gentianoides	hhA	.	1/2	10	For edging, pots, or baskets.
81980 Grevillea robusta ....oz., 8oc.	1 2	gS	orange	5	10	(Silk Oak.) Graceful foliage.
82000 Gunnera manicata	hP	red	6	25	Decorative lawn plants, with leaves 7 to 8 feet long.
82010 scabra	4	25	
82030 Gypsophila elegans alba pura ..oz., 3oc.	.	hA	white	2	5	Fine for bouquets. Free bloomers for rockwork or shrubbery; will grow in any soil. No. 82070 is known as "Baby's Breath." 82044 is a splendid free-flowering carmine-rose variety.
82034 — —Large-flowering	10	
82040 —rosea	rose	.	5	
82044 —carminea	car.-rose	1	10	
82050 cerastioides	hP	white	1/2	10	
82060 muralis	hA	pink	.	10	
82070 paniculata	hP	white	2	10	
82090 Hawkweed , Golden	3	hA	yellow	.	5	(Crepis.) Showy plants, of free growth; varied colors.
82100 Red	red	.	5	
82110 White	white	.	5	
82140 Hedysarum coronarium	†hB	red	3	5	So-called "French Honeysuckle," but no relation to that vine. Not a climber. No. 82160 is Sweet Broom.
82150 —album	white	.	5	
82160 MacKenziei	hP	br. rose	.	10	
82170 Helenium autumnale superbum	gol. yel.	5-6	10	(Sneezeweed.) Fine for cutting.
82200 Helichrysum bracteatum	2 3	hA	yellow	2	5	("Eternal Flowers.") The flowers are greatly admired, being large and the colors bright. They are highly prized for winter bouquets. Flowers intended for drying should be gathered when partially unfolded, and suspended with their heads downward in a cool shed. Succeed best in rich, loamy soil.
82210 —album	white	.	5	
82220 —atrosanguineum nanum	d. red	1	5	
82230 —atrococcineum nanum	d. scar.	.	5	
82240 —Mixed	mixed	2	5	
82250 monstrosum, Double	10	
82260 —Dwarf Double	1/2	10	
82280 COLLECTIONS, including— 6 vars. Double	30	
82290 6 vars. Dwarf	30	
82310 Heliopsis Pitcheriana	1 2	hhP	gol. yel.	2-3	10	Early. Excellent for cutting.
82330 Heliotropium peruvianum	1 3	gP	purple	2	10	
82340 Mad. de Blonay	white	.	10	
82350 Lemoine's Giant, Mixed	mixed	.	15	
82360 White Lady	white	.	10	
82370 Midnight	v.-pur.	.	25	
82380 Voltaireanum	d. pur.	.	10	
82390 Fine Mixed	mixed	.	10	
82400 Dark-leaved Sorts, Mixed	10	
82410 COLLECTIONS, including— 12 best varieties	90	
82420 6 best varieties	50	
82440 Helipterum Sanfordii	2	tA	yellow	1	5	Resemble Helichrysum, and are useful in the same way.
82450 corymbiflorum	white	.	5	
82470 Helleborus niger	1 2	hP	pink	.	10	(Christmas Rose.) Very desirable; spring-flowering.
82480 —Hybrids	mixed	.	25	
Hesperis	See Rocket, page 114.

NUMBER AND NAME <small>1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS	
82500	<i>Heuchera sanguinea</i>	2 3	hP	crim.	1	cts. 15	} Nothing more beautiful for cut-flowers.	
82504	—hybrida mixed . . . . .	.	.	mixed	.	15
82510	—splendens . . . . .	.	.	d. red	.	25
82540	<i>Hibiscus africanus</i> . . . oz., 25c.	.	hA	yl. & br.	2	5		
82550	<i>Syriacus</i> , Double . . . oz., 20c.	.	hS	w. & p.	6	5	} No. 82550 is the Rose of Sharon. No. 82570 has very large flowers of sulphur color, with purple center. No. 82584 is Pink Marvel.	
82560	<i>Crimson Eye</i> . . . . .	.	hA	w. & cr.	.	10	
82570	<i>Golden Bowl</i> . . . . .	.	.	l. yel.	4	10
82580	<i>moscheutos roseus</i> . . . . .	.	hP	rose	3	5	
82584	<i>Mammoth Pink</i>	3	.	pink	6	25	} See page 78.	
	<i>Hollyhock</i> . . . . .	.	.	.	.	.
82610	<i>Honesty (Lunaria biennis)</i> oz., 30c	.	†hB	purple	2	5	} Pretty. Curious silvery silicles. See <i>Glaucium luteum</i> , page 107.	
	<i>Horned Poppy</i> . . . . .	.	.	.	.	.
82630	<i>Humea elegans</i>	1 3	†hhP	rose	5	15	} Sweet-scented. Should be kept in pots the first season.	
82640	—albida . . . . .	.	.	white	.	15
82660	† <i>Humulus japonicus</i> . . . oz., 40c.	3	tA	green	15-20	5	} (Climbing Hop.) No. 82670 has beautiful variegated foliage.	
82670	—variegatus oz., 40c.	.	.	.	.	10
82690	<i>Hunemannia fumariæfolia</i>	2 3	hA	yellow	1	10	} Large, showy flowers; fine.	
82710	<i>Hyacinthus candicans</i> . . . . .	.	hBu	white	2-3	5	
82730	<i>Hypericum elegans</i>	3	hP	yellow	1½	10	} Green leaves; large flowers. See Candytuft, page 70.	
	<i>Iberis</i> . . . . .	.	.	.	.	.
82750	<i>Ice Plant (Mesembryanthemum crystallinum)</i> oz., 30c.	2 3	tA	white	½	5	} Covered with watery vesicles resembling pieces of ice. See also <i>Mesembryanthemum</i> .	
82770	<i>Impatiens glanduligera</i>	2	.	purple	.	10		
82780	<i>Holstii</i>	v.-red	2	25	} (Touch-me-not.) Beautiful. 82780 resembles 82800 but grows quicker and flowers are larger. 82800 is good for house culture. 82790 a splendid mixture of finest colors.	
82790	—hybrida . . . . .	.	.	mixed	.	25
82800	<i>Sultani</i>	2 3	gP	carmine	1	25		
82810	—Queen Carola, chamois . . . . .	.	.	chamois	.	25
82820	—hybrida, Mixed	mixed	.	25	} Trumpet flowers. Very beautiful. Fine hardy perennials.	
82840	* <i>Incarvillea Delavayi</i> . . . . .	.	hP	r. car.	1-2	25	
82850	<i>grandiflora</i>	1 2	.	d. pur.	.	25		
82860	<i>variabilis</i> . . . . .	.	.	rose	.	15
82880	<i>Inula glandulosa grandiflora</i>	2 3	.	orange	2	25	} Splendid hardy perennial. (Diamond Flower.) Exceedingly pretty little plant.	
82900	<i>Ionopsidium acaule</i>	1 3	†hhP	lilac	¼	15		
	<i>Ipomœa</i>	} See page 79.	
82920	<i>Ipomopsis elegans</i>	2 3	tB	scarlet	3	10		
82930	—aurantiaca	3	.	orange	1½	10	} Showy and beautiful; colors very bright. Seeds should be started in the house.	
82940	—sanguinea	1 3	hB	scarlet	.	10		
82950	—Mixed . . . . .	.	.	mixed	3	10
82970	<i>Iris Kämpferi</i>	1 2	hP	.	2	10	} Hardy herbaceous perennials. (Polemonium.) Beautiful, hardy, old-fashioned flower.	
83010	<i>Jacob's Ladder</i> oz., 25c.	1	.	blue	1	5		
83020	<i>White</i> oz., 25c.	.	.	white	.	5	} The Senecios are all free-flow-ering plants, good for the border and for pots.	
83040	<i>Jacobæa</i> , White <i>Senecio</i> . . . . .	.	hA	.	.	5	
83050	<i>Purple Senecio</i> . . . . .	.	.	purple	.	5
83060	<i>Mixed</i> . . . . .	.	.	mixed	.	5
83070	COLLECTIONS, including 6 varieties Dwarf Double						35	} See <i>Coix Lacryma</i> , page 118. See <i>Amarantus</i> , page 100.
	<i>Job's Tears</i> . . . . .	.	.	.	.	.
	* <i>Joseph's Coat</i> oz., 30c.	3	tA	red	2½	5	} Fine for edging; good habit and color. The high colors are best for pots.	
83090	<i>Kaulfussia amelloides</i>	2	hA	blue	1	10		
83100	—atroviolacea . . . . .	.	.	d. v.	.	10
83110	—kermesina . . . . .	.	.	v. red	.	10
83120	—Mixed oz., 60c.	.	.	mixed	.	10	} These are fine, profuse bloom-ers for the greenhouse. Do best in sandy loam.	
83140	† <i>Kennedyæ cœrulea</i>	1 2	gP	blue	12	10		
83150	<i>Marryatæ</i>	1 3	.	scarlet	4	10		
83160	<i>rubicunda</i>	1 2	.	d. red	.	10		
83170	<i>Comptoniana</i>	purple	.	10	} Improved Summer Cypress. Beautiful decorative bush. (Pueraria Thunbergiana.) Japan climber.	
83190	<i>Kochia trichophylla</i> . . . oz., 40c.	.	hA	green	2½	10		
83210	† <i>Kudzu Vine</i>	2 3	hP	purple	40	10	} Rapid-growing plants, form-ing small, bushy shrubs.	
83230	<i>Lantana</i> , Fine Mixed	1 3	gS	mixed	2	5		
83234	—hybrida nana compacta . . . . .	.	.	.	1	10

NUMBER AND NAME <small>See 1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time	Hardiness	Color of	Height	Price	GENERAL OBSERVATIONS
	of Flowering	and Duration	the Flower	in Feet	per Packet	
83250 †Lapageria rosea Larkspur	1 2	gP	rose	15	cts. 50	Beautiful greenhouse climber. See Delphinium, page 75.
83270 Lasthenia californica Lathyrus	hA	yellow	1	5	Pretty yellow Composite. See Sweet Peas, page 96.
83290 Lavatera trimestrisoz., 25c.	2	hA	red	2	5	{ Showy and free-flowering. <i>L. arborea variegata</i> has beautifully mottled foliage. Form decorative plants first season from seed started indoors.
83300 —albaoz., 25c.	. .	. .	white	. .	5
83320 arborea variegata . . . . .	. .	tA	red	3	10
83350 Layia elegans Lemon Verbena	hA	y. & w.	1	10	Pretty yellow and white flower. See page 95.
83390 Leontopodium alpinum	3	hP	white	1/2	15	(Edelweiss.) From the Alps.
83410 Leptosyne maritima	hhA	. .	2	10	{ Beautifully formed flowers and elegant foliage. 83420 has large golden flowers.
83420 Stillmani . . . . .	. .	. .	golden	. .	10
83440 Leptosiphon aureus	2	hA	orange	1/2	10	{ Fine for edging or rockeries; blooms in masses. <i>L. carmineus</i> has very beautiful carmine flowers.
83450 androsaceus . . . . .	. .	. .	blue	1	5
83460 —albus . . . . .	. .	. .	white	. .	5
83470 carmineus . . . . .	. .	. .	carmine	. .	10
83480 densiflorus . . . . .	. .	. .	blue	. .	10
83490 —albus . . . . .	. .	. .	white	. .	10
83500 hybridus	1 3	. .	mixed	. .	10	
83510 Mixedoz., 40c.	5	
83530 Liatris pycnostachia	3	hP	purple	3-4	15	Kansas Blazing Star. Pretty.
83550 Limnanthes Douglasi	2 3	. .	w. & y.	. .	5	Free-flowering and fragrant..
83570 Linaria bipartita alba	2	hA	white	1	5	{ Snapdragon-shaped flowers; desirable for edging, and very good for rockwork.
83580 —splendida	2 3	. .	purple	1/2	5	
83590 maroccana . . . . .	. .	. .	. .	1/2	5
83594 —hybrids mixed . . . . .	. .	. .	mixed	. .	5
83600 Cymbalaria (Kenilworth Ivy)	hP	violet	trail.	10	
83620 Linum flavum	†hhP	yellow	1/2	5	{ (Flax.) Free-flowering plants, of easy cultivation.
83630 grandiflorum rubrum oz., 25c.	. .	hhA	crim.	. .	5	
83640 Lewisii variegatumoz., 50c.	1 2	†hP	li. & w.	3	10	
83650 Lisianthus Russellianus	2 3	gA	blue	1 1/2	25	Fine; like the Gentians.
83660 Loasa aurantiaca (lateritia)	hhA	orange	6	10	{ Elegant foliage, and flowers of curious structure.
83670 tricolor . . . . .	. .	hA	tricolor	2	10
Lobelia	See page 80.
83690 Lophospermum scandens	tP	d. rose	8	10	Trumpet-shaped flowers.
83710 Lotus Jacobæus	1	tA	d. & br.	2	10	{ Pretty and interesting bedding plant. 83720 is brilliant red. Fine for hanging baskets.
83720 peliorhynchus	2 3	gP	red	. .	15	
*Love-Lies-Bleeding	See <i>Amarantus caudatus</i> , p. 100.
83760 Love-in-a-Mist, Double.oz., 25c.	1 2	hA	blue	1	5	{ (Nigella.) Curious and ornamental; fennel-leaved; easily grown and hardy. Also called "Devil-in-a-bush."
83770 White Doubleoz., 25c.	. .	. .	white	. .	5
83780 Miss Jekylloz., 50c.	. .	. .	blue	. .	10
83790 Blue Spanishoz., 25c.	. .	. .	. .	. .	5
83800 White Spanishoz., 25c.	. .	. .	white	. .	5
83810 Mixed Spanishoz., 25c.	. .	. .	mixed	. .	5
83820 —All sortsoz., 25c.	. .	. .	. .	. .	5
83840 Lupinus Cruikshanksi	2 3	. .	blue	3	5	{ A large genus of ornamental annual or perennial plants. 83920 grows 5 or 6 feet high; has immense racemes of lovely dark blue flowers. Some varieties are charming, having spikes of highly colored flowers, silver foliage and good habit. Rich loam will produce the finest plants and flowers. Dwarf species make best bedding plants. All are free-flowering, attractive, bright, easily grown. No. 83946 is the Yellow Tree Lupin.
83850 Hartwegii . . . . .	. .	. .	. .	. .	5
83860 —albus . . . . .	. .	. .	white	. .	5
83870 hirsutus . . . . .	. .	. .	blue	2	5
83880 —albus . . . . .	. .	. .	white	. .	5
83890 —ruber . . . . .	. .	. .	rose	. .	5
83900 mutabilis . . . . .	. .	. .	var.	3	5
83910 nanus	1 3	. .	blue	1/2	5	
83920 polyphyllus	3	hP	. .	5	5	
83930 —Mixed Perennialoz., 35c.	1 3	. .	mixed	. .	5	
83940 tricolor elegans . . . . .	. .	. .	o. & ro.	3	5
83946 arboreus	2	. .	yellow	6	10	
83950 —albus (Snow Queen) . . . . .	. .	. .	white	. .	15
83960 Mixed Annualoz., 25c.	. .	hA	mixed	. .	5	
83970 COLLECTION, including 12 best varieties . . . . .	. .	. .	. .	. .	45

NUMBER AND NAME <i>See ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
					cts.	
83990 <i>Lychnis chalconica</i>oz., 25c.	1 2	hP	scarlet	2	5	Brilliantly colored border plants; 84030 is a superb variety, the original of the Haageana hybrids. Fine for rockeries or carpet bedding.
84000 —albaoz., 40c.			white		5	
84030 <i>fulgens</i>	1	tP	scarlet	1	10	
84040 <i>Haageana hybrida</i>		hP	mixed		10	
84080 <i>Madia elegans</i>oz., 30c.	2 3	hA	yellow	2	5	Handsome flowers; should be in a shady position.
84100 <i>Malope grandiflora rosea</i>			rose		5	Mallow-like flowers; very pretty. Sow early.
84110 —alba			white		5	
84120 —rubra			red		5	
84130 —Mixedoz., 25c.			mixed		5	
84150 <i>Malva miniata</i>		tA	scarlet	4	5	Sunset Plant. 84160 and 84170 are fine, hardy perennials.
84160 <i>moschata rosea</i>		†hP	rose	2	10	
84170 —alba			white		10	
84190 † <i>Mandevillea suaveolens</i>		gP		10	10	Greenhouse climber, fragrant. See page 80.
Marigold						
84210 <i>Martynia craniolaria</i>		hhA	w. & sp.	1½	5	Curious and very handsome plants for the border. Also used for pickling.
84220 <i>proboscidea</i>oz., 30c.			vio. sp.		5	
84230 <i>lutea</i>			yellow		5	
84240 <i>formosa</i>					5	
Marvel of Peru						See Four O'clock, page 106.
84260 <i>Mathiola bicornis</i>oz., 30c.			white	½	5	Open and fragrant at night, but closing during the day.
84280 <i>Matricaria eximia plena</i>		hA		2	5	
84290 <i>capensis plena</i>					5	(Feverfew.) Pretty and neat; small double flowers.
84300 "Golden Ball" (beautiful)			yellow	1½	15	
84320 † <i>Maurandya antirrhiniflora</i>	1 3	†gP	purple	10	10	Abundant bloomers, and very desirable climbers for the greenhouse and garden. Should be in every collection.
84330 <i>Barclayana</i>			blue		10	
84340 —alba			white		15	
84350 <i>Emeryana rosea</i>			rose		10	
84360 <i>purpurea grandiflora</i>			purple		10	
84370 Mixed			mixed		10	
84410 * <i>Melanthus major</i>		gP	brown	2	10	Has very ornamental foliage.
84430 <i>Melilotus cœrulea</i>oz., 35c.	3	hP	blue	1½	5	Ornamental; like the Lotus.
84450 † <i>Melothria scabra</i>		hhA	l. blue	10	10	Tropical vine.
84470 <i>Mesembryanthemum tricolor</i>	1 2	tA	tricolor	½	5	Beautiful dwarf edging plants; flower profusely in dry and sunny situations. Fine for pots. 84500 is the "Ice Plant." See page 81.
84480 —album			white		5	
84490 <i>cordifolium variegatum</i>		tP	yellow		15	
84500 <i>crystallinum</i>oz., 35c.	2 3	tA	white		5	
Mignonette						
84530 <i>Mimosa pudica</i>oz., 50c.			pink	¾	5	(Sensitive Plant.) Very odd.
84540 <i>Mimulus cardinalis</i>	1 2	†hP	scarlet	1½	10	(Monkey Flower.) Showy, musk-scented and free-flowing. Hardy kinds are well suited for borders. Any soil suits. 84590 and 84594 are known as "Musk Plant."
84550 <i>cupreus</i>	1 3	hA	mixed		10	
84560 <i>Rœzii</i>	2 3		yellow	½	25	
84570 <i>tigrinus</i>	1 3		spotted	1	10	
84580 —grandiflorus (Queen's Prize)					25	
84590 <i>moschatus</i>		tA	yellow	½	10	Curious; free bloomers.
84594 —compactus				½	15	
84600 † <i>Mina lobata</i>			wh. & r.	15	10	
84620 <i>Molucella spinosa</i>	2 3	hA	rose	7	10	A splendid Shell-flower, with very fine foliage.
84640 † <i>Momordica Balsamina</i>		hhA	yellow	10	5	Handsome ornamental gourds. 84640 is the Balsam Apple. 84650 the Balsam pear. 84660 is the Squinting Cucumber. See Aconitum, page 99. See <i>Ipomœa Mexicana</i> , p. 79. See page 79, and <i>Convolvulus</i> , page 104. See <i>Scabiosa</i> , page 92.
84650 <i>Charantia</i>					5	
84660 <i>Elatarium</i>					5	
84670 <i>involucrata</i>					10	
Monk's-Hood						
Moon-Flower						
Morning-Glory						
Mourning Bride						
84710 <i>Musa Ensete</i>100 seeds, \$1.50	1 2	gP	y. & br.		25	(Abyssinian Banana.) Splendid tropical plant. See <i>Mimulus moschatus</i> above. See Forget-me-not, page 76. See page 82.
Musk Plant.						
Myosotis						
Nasturtium						
84780 <i>Nœgelia hybrida</i>			var.	½	25	Beautiful greenhouse plant.

NUMBER AND NAME <i>8 3/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS	
84800	<i>Nemesia compacta alba</i>	2	3	hA	white	1 1/2	5	Very pretty and neat-flowering plants for edging. 84820 is a very beautiful variety.
84810	— <i>cœrulea</i> . . . . .	.	.	.	blue	.	5	
84820	<i>strumosa grandiflora</i> Suttoni. . . . .	.	.	.	var.	2 1/2	5	
84830	hybrida "Blue Gem"	2	.	.	l. blue	1 1/2	5	
84840	<i>Nemophila Atomaria</i> oz., 20c.	1	3	.	w. & pu.	1	5	This genus consists of very pretty annuals of easy growth; they deserve extensive cultivation; are good in pots and for edgings, in rockeries, or in the garden.
84850	<i>crambeoides</i> oz., 20c.	.	.	.	p. blue	.	5	
84860	<i>discoidalis</i> oz., 20c.	.	.	.	purple	.	5	
84870	<i>insignis</i> oz., 20c.	.	.	.	blue	.	5	
84880	— <i>alba</i> oz., 20c.	.	.	.	white	.	5	
84890	— <i>marginata</i> oz., 20c.	.	.	.	bord.	.	5	
84900	<i>maculata</i> oz., 20c.	.	.	.	spotted	1/2	5	
84910	Mixed oz., 20c.	.	.	.	mixed	diff.	5	
84920	COLLECTION, including 6 varieties <i>Nemophila</i>						30	
84940	<i>Nerium Oleander</i>	2	3	gS	red	10	10	Oleander. Ornamental shrub.
84960	<i>Nertera depressa</i> . . . . .	.	.	gP	white	cr.	25	Plant bearing coral berries.
84970	<i>Nicotiana affinis</i> (fragrant) . . . . .	.	.	hhA	.	3	5	Species of tobacco; valuable as decorative plants; deliciously fragrant flowers. No. 84976 is a splendid new mixture.
84976	—hybrida . . . . .	.	.	.	mixed	.	10	
84980	<i>colossea</i> . . . . .	.	.	.	.	10	25	
84990	<i>Sandera</i> hybrids . . . . .	.	.	hA	mixed	3	10	Handsome flowers; fine for hanging baskets or edgings. See Love-in-a-Mist, page 110.
85000	<i>sylvestris</i> . . . . .	.	.	.	white	.	5	
85020	<i>Nierembergia gracilis</i> . . . . .	.	.	.	w. & li.	1	10	
85030	<i>frutescens</i> . . . . .	.	.	.	.	2	5	
	<i>Nigella</i> . . . . .	.	.	.	.	.	.
85050	<i>Nolana atriplicifolia</i>	2	.	.	b.w. & y.	1/2	5	Very showy when in flower, and should be planted in the border; fine trailing plants.
85060	— <i>alba</i> . . . . .	.	.	.	white	.	5	
85070	<i>paradoxa violacea</i> . . . . .	.	.	.	b. & v.	1	5	
85080	Mixed oz., 25c.	.	.	.	mixed	.	5	
85100	<i>Nycteria selaginoides</i>	2	3	hhA	lilac	3/4	10	Pretty dwarf plant.
85110	<i>capensis</i> . . . . .	.	.	.	white	.	10	
	<i>Oenothera</i> . . . . .	.	.	.	.	.	.	See Evening Primrose, p. 114.
85130	Orchids, Mixed	2	hP	mixed	diff.	25	25	Fine open-ground species.
85150	<i>Orobis lathyroides</i>	2	3	.	blue	1 1/2	10	These deserve a place in gardens; fine pea blossoms.
85160	<i>niger</i> . . . . .	.	.	.	purple	3	5	
85180	<i>Oxalis Valdiviana</i> (Veitchii)	2	tP	yellow	1/2	10	10	Charming little plants.
85190	<i>Oxytropis hybrida</i>	1	2	hP	mixed	1-1 1/2	25	Beautiful flowers, like Lupins, in many colors and shades.
85200	<i>Pæonia officinalis</i>	2	.	.	red	2	5	Beautiful hardy plants, with large, handsome flowers.
85210	<i>chinensis</i> . . . . .	.	.	.	mixed	.	10	
85220	<i>arborea</i> (Tree Pæony) . . . . .	.	.	.	.	3	10	
85240	<i>Palafoxia Hookeriana</i> . . . . .	.	hA	blush	1 1/2	10	10	Very good Everlasting.
85260	<i>Palava flexuosa</i>	2	3	hhA	rose	.	10	Pretty rose flowers.
	<i>Pansy</i> . . . . .	.	.	.	.	.	.	See page 84.
	<i>Paris Daisy</i> . . . . .	.	.	.	.	.	.	See <i>Chrysanthemum frutescens</i> .
85280	† <i>Passiflora cœrulea</i> oz., \$1	.	hhP	blue	10	10	10	Called "Passion Flower" on account of a resemblance in the flower to the appearance presented at Calvary.
85290	<i>edulis</i> . . . . .	.	.	white	25	10	10	
85300	<i>gracilis</i> . . . . .	.	hhA	.	10	15	10	
85310	<i>incarnata</i> oz., 60c.	.	hhP	pink	25	10	10	
	<i>Peas, Sweet</i> . . . . .	.	.	.	.	.	.	See page 96. Perennial Peas, see page 98.
85330	<i>Pelargonium, Fancy</i> . . . . .	.	gP	mixed	2	25	25	Beautiful greenhouse plants.
85340	<i>Odier</i> (superb) . . . . .	.	.	.	.	50	50	
85360	<i>Pentstemon Murrayanus grandiflorus</i> . . . . .	.	hP	scarlet	3	15	15	Beautiful herbaceous perennials; very hardy and free-flowering; fine for bedding. 85390 is a fine large-flowered strain.
85370	<i>Cobæa</i> . . . . .	.	.	w. & b.	.	10	10	
85380	<i>digitalis</i>	2	.	white	1 1/2	5	5	
85390	† <i>Hartwegi grandiflorus</i> . . . . .	.	.	mixed	2	10	10	
85410	Mixed Large-flowered vars. . . . .	.	.	.	.	10	10	
85430	* <i>Perilla nankinensis</i> oz., 25c.	.	hhA	purple	1 1/2	5	5	Ornamental-leaved; for ribbon-gardening and beds.
85440	*— <i>laciniatis</i> oz., 25c.	.	.	.	.	5	5	
85460	<i>Persicaria, Red</i>	3	hA	red	.	5	5	Showy for backgrounds.
85470	<i>White</i> . . . . .	.	.	white	.	5	5	
	<i>Petunia</i> . . . . .	.	.	.	.	.	.	See page 85.

NUMBER AND NAME <small>85 1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
85490 <i>Phacelia congesta</i>	2	hA	pur. bl.	1 1/2	5	} Excellent for bees. 85520 is a lovely, rich, deep blue.
85500 <i>Parryi</i>	d. blue	.	10	
85510 <i>tanacetifolia</i>	blue	.	5	
85520 <i>campanularia</i>	d. blue	.	10	
85540 † <i>Phaseolus Caracalla</i>	2 3	gA	lilac	5	10	} Curious fragrant flowers. (Butterfly Runner Bean.)
85550 <i>multiflorus Papilio</i>	hhA	w. & ro.	15	10	
<i>Phlox Drummondii</i>	See page 87.
85570 <i>Phormium tenax</i>.....oz., 4oc.	.	gP	white	6	5	New Zealand Flax.
85590 <i>Phygelius capensis</i>	scarlet	3	25	Showy greenhouse perennial.
85610 <i>Physalis Francheti</i>	†hP	.	2	10	} (Chinese Lantern Plant.) From Japan.
85630 <i>Physostegia virginica alba</i>	hP	white	3	25	
85640 — <i>rosea</i>	rose	.	25	} Obedient Plant. Exquisite.
85660 <i>Picotee, White Ground</i>	hhP	w. & sp.	.	50	
85670 <i>Yellow Ground</i>	y. & sp.	.	50	} From show varieties. Rich and beautiful; finely perfumed; very attractive.
85680 <i>Extra Fine Mixed</i>	mixed	.	50	
<i>Pink (Dianthus)</i>	See page 88.
85700 <i>Pittosporum undulatum</i>	1 2	gP	white	.	10	Handsome greenhouse shrub.
85720 <i>Platystemon californicum</i>	2 3	hA	yellow	1	5	(California Poppy.)
<i>Platycodon</i> (see also <i>Campanula</i>)	(Large Chinese Bell-flower.)
85740 <i>grandiflorum</i>	2	hP	blue	2	10	} Very fine flowering plants.
85750 — <i>album</i>	white	.	10	
85760 <i>Mariesi</i>	blue	1	10	} <i>P. Mariesi</i> is a fine dwarf, dark blue. 85770 blooms in a few weeks from seed.
85770 † <i>—macranthum</i>	2-3	10	
85790 <i>Podolepis chrysantha</i>	2 3	hhA	yellow	1/2	5	} Curious and pretty. Does well exposed to the sun.
85800 <i>affinis</i>	5	
85810 <i>gracilis</i>	red-wh.	.	5	See Jacob's Ladder, page 109.
<i>Polemonium</i>	(<i>Primula elatior</i> .) Fine varieties.
85830 <i>Polyanthus</i>	1 3	†hP	mixed	.	10	} See page 89.
85850 <i>Gold-laced</i>	25	
<i>Poppy</i>	See page 90.
<i>Portulaca</i>	See page 90.
85870 <i>Potentilla atrosanguinea</i>	hP	purple	1 1/2	10	} Showy, hardy border plants.
85880 <i>Mixed</i>	mixed	.	10	
85900 <i>Primula cortusoides</i>	3	.	red	.	10	} These are the hardy Primroses <i>P. Japonica</i> is called the "Queen of Primroses." <i>P. Forbesi</i> has pretty rosy lilac flowers, and is fine for pots. <i>P. obconica</i> , if started in frames, will begin to bloom in May. No. 85924 is very fine; colors range from pure white through all shades of pink to deep crimson. No. 86004 Giant-flowering; brilliant carmine-red.
85910 <i>Cashmeriana</i>	rose	1/2	25	
85920 <i>japonica</i>	mixed	1	10	
85924 — <i>hybrida mixed</i>	2-3	25	
85930 <i>farinosa</i> (Bird's eye Primrose)	.	.	rose	.	25	
85940 <i>Forbesi</i>	†hP	lilac	.	25	
85950 <i>English Yellow Primrose</i>	hP	yellow	1/2	10	
85960 <i>obconica grandiflora alba</i>	2	†tP	white	.	25	
85970 — <i>—rosea</i>	rose	.	25	
85980 — <i>—carminea</i>	carmine	.	50	
85990 — <i>—hybrida, Mixed</i>	mixed	.	25	
85994 — <i>—Fringed White</i>	white	.	25	
85996 — <i>—Rose</i>	rose	.	25	
86000 — <i>—Mixed</i>	mixed	.	25	
86004 — <i>—gigantea kermesina</i>	gP	car.-red	.	25	
86020 <i>verticillata</i>	hP	yellow	1	25	
<i>Primula stellata</i> (Star <i>Primula chinensis</i>)	} House or conservatory plants; floriferous and long-blooming. Cut-flowers are valuable for table decoration, they keep fresh in water many days.
86030 — <i>Giant White Star</i>	gP	white	.	50	
86040 — <i>King of the Star</i>	crimson	.	50	
86050 — <i>Salmon-Pink Star</i>	salmon	.	50	
86060 — <i>Improved Blue Star</i>	blue	.	50	
86080 — <i>Crimson Star</i>	crimson	.	50	
86090 — <i>Purple Star</i>	purple	.	50	
86110 — <i>Rosy Star</i>	rosy	.	50	
86114 — <i>Mixed Star</i>	mixed	.	50	} From <i>primus</i> , first, referring to their early-flowering. The Chinese Primroses (<i>Primula chinensis</i>) are fine for winter and spring blooming; are
86120 <i>Primula chinensis fimbriata rubra</i>	3	.	fr. red	3/4	25	
86130 — <i>—alba</i>	white	.	25	
86140 — <i>—coccinea</i>	b. red	.	25	
86150 — <i>—alba magnifica</i>	white	.	50	

NUMBER AND NAME		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
$\frac{1}{4}$ oz. at oz. rate only on articles quoted at \$1 per oz. and over.						cts.	
86160	<i>Primula chinensis fimbriata</i> , con.						
86170	—punctata atropurpurea	3	gP	pur. sp. blue	$\frac{1}{2}$	25	free-flowering, and especially valuable for cut-flowers or for house and window culture; a cool place suits them best. The seed is saved from the finest colors and largest flowers. Seed should be sown in light soil, but for the final potting a richer soil is necessary, consisting of two parts loam to one each of well-decayed manure and leaf-mold. Must be well ventilated, well watered and slightly shaded in summer. Collections here offered contain finest varieties grown. 86190 is distinct as to color, extremely free flowering and of splendid habit.
86174	—Bright Rose			b. rose		25	
86180	—kermesina splendens			crim.		25	
86190	—Orange King			orange		50	
86196	—extra fine mixed			mixed		25	
86210	—filicifolia alba			white		25	
86220	—rubra			red		25	
86230	—Mixed			mixed		25	
86240	—globosa rubra			red		25	
86250	—alba			white		25	
86260	—Mixed			mixed		25	
86280	—plena rubra			red		50	
86290	—alba			white		50	
86300	—Mixed			mixed		50	
COLLECTIONS, including—							
86310	12 vars. Chinese Fringed.					\$1 50	Enotheras are fine, free-flowering plants, best for back-grounds or shrubby border; <i>Æ. acaulis</i> has large shining white flowers, quite transparent. <i>Æ. Drummondii</i> is of rich sulphur color; profuse-flowering. (Kudzu Vine.) Japan climber.
86320	8 vars. Chinese Fringed.					1 00	
86330	6 vars. Chinese Fringed.					75	
86340	6 vars. Chinese Double					1 25	
Primrose, Evening—							
86360	<i>Enothera bistorta Veitchii</i>	2 3	hA	purple	2	5	No. 86490 for poor soils. 86500, Golden Feather, is fine for edging. 86510 is a beautiful fern-leaved sort. 86480 is a splendid variety, flowers often 4 inches in diameter on long stems; fine for cutting.
86370	—Drummondii	1 3		yellow	1	5	
86380	—Lamarckiana	2 3	hB		4-5	5	
86390	—rosea (mexicana)	1 3	tA	rose	$\frac{1}{2}$	10	
86400	—acaulis alba	2 3	hA	white		10	
86410	—tetraptera					5	
86420	—Mixed Annual . . . oz., 25c.			mixed	diff.	5	
86440	† <i>Pueraria Thunbergiana</i>		hP	purple	40	10	
86460	<i>Pyrethrum atrosanguineum</i>			dk. sc.	1	10	
86470	—roseum hybridum Double			mixed	2	25	
86474	—Double and Semi-double					10	
86480	—grandiflorum				3	25	
86490	<i>Tchihatchewii</i>	1 3		white	2	20	
86500	<i>partheniifolium aureum</i>						Free-flowering; of easy culture. (Ornamental Rhubarb.)
86510	—selaginoides . . . oz., 60c.	2 3		yellow	$\frac{1}{2}$	10	
86520	—Golden Gem . . . oz., 50c.					5	
86540	<i>Rehmannia angulata</i>	1 3	hhP	rose-pu.	3	25	
86560	* <i>Rheum palmatum tanguticum</i>	1	hP	white		5	
86570	<i>Collinianum</i>					5	
86590	<i>Rhodanthe maculata</i>	2 3	tA	r. & w.	1	10	
86600	—alba			white		10	
86604	—fl. pl.			var.		10	
86610	—Mixed			mixed		10	
86620	<i>Manglesii</i>			r. & w.	$\frac{1}{2}$	10	
86640	† <i>Rhodochiton volubile</i>	1 2	gA	pu.-ro.	10	25	Superb climber. Grand evergreen shrub. See page 90. Ornamental in fruit. (Hesperis.) Free - blooming and very sweet-scented.
86660	<i>Rhododendron arboreum</i> hyb.	1	hS	mixed		25	
	<i>Ricinus</i>						
86680	<i>Rivina humilis</i>	3	gP	white	2	10	
86700	Rocket, Sweet oz., 30c.	2 3	†hP	w. & pu.		5	
86710	White oz., 20c.			white		5	
86720	nana candidissima	2			1 $\frac{1}{2}$	10	
86740	<i>Romneya Coulteri</i>	2 3	hhP		2	15	
86760	<i>Rosa multiflora nana</i>		†hP	mixed		10	
	Rose Champion						
	Rose of Heaven						
	Rose of Sharon						
86780	<i>Rudbeckia amplexicaulis</i>	2	hP	yellow	3	5	(Cone-flower.) Showy, large yellow flowers, with brown cone.
86790	bicolor superba					10	
86800	fulgida variabilis	2 3		mixed		10	
86810	Neumanni			or.-yel.	1 $\frac{1}{2}$	10	
86820	<i>Saintpaulia ionantha</i>		†gP	blue	$\frac{1}{2}$	25	The Usambara Violet. Lovely. See page 91.
	<i>Salpiglossis</i>						

NUMBER AND NAME <small>See ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
Salvia.....					cts.	See page 91.
86840 *Santolina Chamæcyparissus...	2	hP	yellow	1½-2	5	{ For large specimens in shrub- beries or as a carpet-bedding plant; distinct foliage.
86860 maritima.....			white		5	
86870 Sanvitalia procumbens fl. pl....	2 3	hA	yellow	½	10	{ Beautiful. Fine for beds or bor- ders; flowers all summer.
86890 Saponaria calabrica....oz., 3oc.			red	1	5	{ Pretty dwarf bedding plants. Should be cultivated for their beauty and long blooming.
86900 —alba.....			white		5	
86910 —Scarlet Queen.....			scarlet		5	{ Curious little plants; especially adapted for rockwork.
86920 ocymoides.....	1 2	hP	red	½	5	
86940 Saxifraga, Mixed Perennial....	2		mixed	¾	25	
Scabiosa.....						See page 92.
86960 Schizanthus Grahmi.....	2 3	hhA	s. & o.	2	5	{ Elegant and free-blooming an- nuals. Large, beautiful flow- ers of many colors, fine for bedding. Grown in pots in early spring in greenhouse, become fine foliage plants with masses of blossoms. 87010 is long-flowering and light-colored. 87014 is much larger than 87010, and all the flowers have white, buff or rose grounds.
86970 pinnatus.....			p. v.	1½	5	
86980 papilionaceus.....			bk.eyd.		5	
86990 retusus.....			r. & o.	2	5	
87000 —albus.....			white	1½	5	
87010 Wisetonensis. Fine pot plant.			vars.		25	
87014 Excelsior.....					30	
87020 Mixed.....oz., 3oc.			mixed	diff.	5	
87030 COLLECTIONS, including 6 va- rieties Schizanthus.....					30	
87050 Schizopetalon Walkeri.....	2	hA	white	¾	15	Cannot bear transplanting.
87070 Scotanthus tubiflorus.....	3	tP		15	20	Handsome ornamental gourd.
87090 Sedum acre.....	1 2	hP	yellow	¼	10	{ (Stonecrop.) Showy little plants, excellent for carpet beds. Plant in sandy soil.
87100 cœruleum.....	3	hA	blue		15	
87110 Maximowiczii.....		hP	yellow	1	10	
87120 Mixed.....			mixed	¾	10	
Senecio.....						See Jacobæa, page 109.
87140 Sensitive Plant.....oz., 4oc.	2 3	tA	pink		5	(Mimosa.) Pretty and curious.
87160 Silene Armeria.....	1 2	hA	red	2-3	5	{ (Catch fly.) Bright-colored, free-flowering annuals, suit- able for rockwork or open border. <i>S. pendula</i> is largely grown for spring flower gar- dening. They succeed in any light, loamy soil.
87170 —alba.....			white		5	
87190 pendula.....			red	1	5	
87200 —Double Rose.....			rose		5	
87210 —ruberrima.....					5	
87220 —Bonnetti, dark stems.....			dk. pur.		5	
87230 —Mixed.....oz., 2oc.			mixed		5	
87240 orientalis.....		†hP	d. rose	2	5	
87280 †Smilax (<i>Myrsiphyllum aspara-</i> <i>goides</i>).....oz., 5oc.	2 3	gP	white	6	10	{ For table and house decora- tion. Fine for florists.
Snapdragon.....						See page 92.
87300 Solanum, White Eggplant.....	3	tA		1	5	{ The Solanums are very orna- mental fruit-bearing plants, and thrive best in light, rich soil. All are highly decora- tive and well worth cultivating. <i>S. giganteum</i> is the largest and handsomest of all, having flowers 3 inches in diameter. No. 87390 is a fine variety of climber with drooping rac- emes of a delicate lilac color.
87310 Scarlet Eggplant.....			scarlet		5	
87320 Striped Eggplant.....			striped	2	5	
87330 Weatherill's Hybrid.....			blue		5	
87340 robustum.....	2 3		purple	3	10	
87350 capsicastrum.....			yellow	2	5	
87360 giganteum.....			white	4	10	
87370 Hendersoni.....			purple		10	
87380 Warscewiczoides.....			white	3	10	
87390 †Seafortianum.....		†gP	lilac	5	15	
87400 COLLECTION, including 6 va- rieties Solanum.....					40	
87420 Sphenogyne speciosa.....	3	hA	yellow	1	5	Pretty showy annuals.
87430 Spiræa (astilbe) Davidii.....	2	hP	rose-v.	6	25	{ Beautiful. Easily raised from seed. Flowers in 18 months.
87440 Spraguea umbellata.....	2 3	hhA	rose	½	25	Fine for rockwork or edges.
87460 Stachys lanata.....	3	hP	striped	2	5	Silver-leaved; edging or borders.
87480 Statice Bonduelli.....	2	hA	yellow	1½	5	{ (Sea Lavender.) Beautiful for winter bouquets. Pretty lit- tle flowers which ought to be in all gardens.
87490 sinuata.....	2 3		blue	1	5	
87500 —candidissima.....			white		5	
87510 Suworowi, bright rose.....			rose		10	
87520 incana hybrida nana.....		hP	mixed	1½	5	
87530 Perennial Sorts Mixed.....					5	

NUMBER AND NAME <small>1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
87550 <i>Stenactis speciosa</i>	2 3	hP	purple	2	cts. 10	Showy purple Composite.
87570 <i>Stephanophysum longifolium</i> . . . . .	. .	hhP	scarlet	1 1/2	25	{ An acanthaceous plant, with bright colored flowers.
87590 <i>Stevia serrata</i>	2	gP	flesh	. .	10	Fine for bouquets; scented.
Stocks, German Ten Weeks						See page 93.
87610 <i>Stokesia Cyanea</i>	2 3	hP	blue	2	10	("Cornflower Aster.") Pretty.
<i>Streptocarpus</i> —						{ Very ornamental, profuse-
87630 Veitch's Hybrids	1 2	gP	mixed	. .	50	blooming greenhouse plants.
Sunflower (<i>Helianthus</i>)						See page 94.
87670 <i>Swainsonia alba grandiflora</i>	1 3	gP	white	2	25	{ Fine greenhouse plants, easily
87680 Ferrandi carminea . . . . .	. .	. .	carmine	. .	50	grown in sandy, peaty soil.
Sweet Peas						See page 96.
Sweet Sultan						See Centaurea, page 72.
Sweet William						See page 94.
87720 <i>Tagetes lucida</i> (Sweet-scented).	2	hA	yellow	1	5	{ Pretty, and fine for edging.
87730 <i>signata pumila</i>	2 3	. .	. .	. .	5	{ See also Marigold, page 80.
87736 <i>patula nana grandiflora</i> . . . . .	. .	. .	golden	. .	25	87736 is a beautiful new variety.
Tassel Flower						See Calalia, page 102.
87750 <i>Tecoma Smithi</i> (splendid) . . . . .	. .	gP	lemon	6	25	Flowers lemon, flushed orange.
87830 † <i>Thunbergia alata</i> , mixed.	1 2	hhA	mixed	5	10	{ Ornamental climber and abundant bloomer.
87850 <i>Torenia Fournieri</i> . . . . .	. .	tA	purple	2	25	{ For borders and baskets. 87850
87860 —"White Wings" . . . . .	. .	. .	white	. .	25	is fine for pots. 87870 is golden
87870 Bailloni . . . . .	. .	. .	yellow	. .	25	yellow, deep red throat.
87890 <i>Trachelium cœruleum</i>	2	†hP	blue	1/2	10	Useful; border or greenhouse.
87910 <i>Trachymene cœrulea</i> (Didiscus) . . . . .	. .	hA	. .	. .	5	Fine long-blooming annuals.
87930 † <i>Trichosanthes colubrina</i>	3	tA	white	10	10	{ (Snake Gourd, or Serpent Cu-
87940 <i>coccinea</i>	2	. .	yellow	. .	10	cumber.) So called from the
87950 <i>palmata</i>	3	. .	white	15	10	shape of its fruit.
87970 <i>Trifolium suaveolens</i>	2	hP	purple	traf.	5	An ornamental clover.
87990 <i>Tritoma Uvaria grandiflora</i>	2 3	hhP	or.-red	3	10	{ (Red-Hot-Poker Plant.) Has
88000 MacOwani . . . . .	. .	. .	r. & yel.	1 1/2	25	showy spikes of bloom.
88020 <i>Trollius hybrid</i> mixed.	1 2	hP	mixed	. .	10	{ (Globeflower.) For beds or borders.
88040 † <i>Tropæolum canariense</i> . oz., 30c.	2 3	hhA	yellow	10	5	88040 is the Canary Bird Flower.
88050 <i>pentaphyllum</i> . . . . .	. .	gP	or. & y.	. .	15	The others are fine for pot
88060 <i>tricolor grandiflorum</i> . . . . .	. .	. .	or. & br.	. .	25	culture. See, also, Nastur-
88080 <i>Tunica Saxifraga</i>	2	hhP	white	1	5	tium, pages 82 and 83.
88100 <i>Tydæa hybrida grandiflora</i> . . . . .	. .	gP	mixed	. .	50	Pretty for rockwork.
88120 <i>Valeriana alba</i>	1 2	†hB	white	3	5	{ Fine border plants; sweet-
88130 <i>rubra</i> . . . . .	. .	. .	red	. .	5	scented flowers.
88160 <i>Venidium calendulaceum</i>	2 3	hhA	orange	1	5	{ Beautiful for borders or pots.
88180 Venus' Looking-Glass . oz., 25c.	1 2	hA	blue	3/4	5	Flowers the entire season.
88190 White oz., 30c. . . . .	. .	. .	white	. .	5	{ (Specularia.) Pretty edging
88200 Double blue. oz., 60c. . . . .	. .	. .	blue	. .	10	plant. 88200 gives about 50
88220 Venus' Navelwort (<i>Cynoglossum linifolium</i>) oz., 25c.	2	. .	. .	1	5	per cent of double flowers.
88240 <i>Verbascum pannosum</i> . . . . .	. .	hP	yellow	5	10	{ A handsome border flower.
<i>Verbena hybrida</i>						Easily grown.
<i>Verbena</i> (Aloysia) citriodora						Decorative plant. Woolly lvs.
88280 <i>Veronica</i> , Mixed . . . . .	. .	. .	mixed	1/2	10	See page 94.
88300 <i>Vicia Gerardii</i>	2 3	hA	violet	4	5	See page 95.
88310 <i>fulgens</i> . . . . .	. .	. .	d. red	. .	5	{ Pretty pea-shaped flowers.
88330 <i>Vinca alba</i> (pure white). . . . .	. .	tP	white	1	10	{ Fine for conservatory, parlor
88340 <i>rosea</i> . . . . .	. .	. .	rose	. .	10	windows and borders or
88350 — <i>alba</i> . . . . .	. .	. .	ro. & w.	. .	10	beds; very pretty.
88360 —Mixed . . . . .	. .	. .	mixed	. .	10	

NUMBER AND NAME <small>Ⓐ ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
88380 Violet, Sweet-scented	1 2	tP	blue	½	cts. 10	(Viola.) All have great beauty and fragrance. Seed takes a long time to germinate.
88390 The Czar	10	
88400 White	white	.	10	
88420 Viola cornuta, Purple Queen	purple	.	10	Fine and early-flowering. See Violet above.
88430 —Mauve Queen	10	
88434 —White Perfection	white	.	10	
88440 —alba	10	
88444 pedunculata (California Yellow Violet)	yellow	.	25	(Malcolmia maritima.) Early-flowering and fine.
88460 Virginian Stockoz., 25c.	.	hA	red	1	5	
88470 Whiteoz., 25c.	.	.	white	.	5	
88480 Crimson Kingoz., 25c.	.	.	crim.	.	5	
88510 Viscaria elegans picta	2 3	.	sc. & w.	1½	5	Abundant blooming, hardy annuals, very effective in massing. They are easily grown, and succeed best in light, rich loam.
88520 oculata	rose	¾	5	
88530 —cœrulea	blue	.	5	
88540 —alba	white	.	5	
88544 —candida	p. wh.	.	10	
88550 —Mixed	mixed	.	5	(Cheiranthus Cheiri.) Favorite sweet-scented flowers, of fine colors; useful as spring bedders. Nos. 88686 and 88690 are most valuable, flowering the first season from seed.
88570 Wallflower, Brownoz., 30c.	1 3	tP	brown	1½	5	
88580 Aurora	cham.	.	5	
88590 White Gem	sul. wh.	.	5	
88600 Yellow	yellow	.	5	
88610 Harbinger, Early	golden	.	5	
88614 Vulcan. Half dwarf	red	1-1½	10	
88620 Mixedoz., 30c.	.	.	mixed	.	5	
88630 —Tom Thumb	1	10	
88640 —Tall Double Branching	1½	25	
88650 Double Dwarf Branching Golden Yellow	yellow	¾	25	
88660 — — —Dark Brown	brown	.	25	
88670 — — —Mixed	mixed	.	25	
88680 German Double	1½	25	
88686 Paris Single Light Brown	3	hA	lt. br.	.	5	See Benincasa cerifera, p. 101.
88690 —Single Annual	mixed	.	5	
COLLECTIONS, including—					\$1 00	
88700 12 vars. Double German	80	
88710 8 vars. Double German	65	Pretty bell-shaped flowers; free-flowering.
88720 6 vars. Double German	5	
Wax Gourd						
88740 Whitlavia grandifloraoz., 30c.	.	.	purple	.	5	
88750 —albaoz., 30c.	.	.	white	.	5	
88760 gloxinioidesoz., 40c.	.	.	b. & w.	.	5	
88800 Wigandia Vigieri	2 3	†tP	red	4	10	Fine tropical leaves.
88810 caracasana	violet	.	10	
88830 Xeranthemum annuum	2	hA	purple	2	5	One of the oldest Everlastings; the flowers retain their color and form longest of all.
88840 —album	white	.	5	
88850 —multiflorum	purple	.	10	
88860 — —album	white	.	10	
88864 —imperiale fl. pl.	purple	.	10	Very showy, attractive plants for the subtropical garden; many large white flowers.
88870 COLLECTION including 6 vars.	35	
88890 Yucca filamentosa	2 3	hP	gr. & w.	3	10	
88900 gloriosa	4	10	See page 95.
Zinnia						

MIXED ANNUALS FOR WILD GARDEN, ETC.

Bright-colored, summer-flowering, easily grown hardy annuals in the greatest variety for sowing broadcast.

88950 Mixed Tall. Per oz., 10 cts.; ¼lb., 30 cts.; ½lb., 55 cts.; lb., \$1, postpaid.

88960 Mixed Dwarf and Semi-Dwarf. Per oz., 10 cts.; ¼lb., 30 cts.; ½lb., 55 cts.; lb., \$1, postpaid.

88980 Mixed Annuals for Bees. Per oz., 10 cts.; ¼lb., 30 cts.; ½lb., 55 cts.; lb., \$1, postpaid.

LIST OF EVERLASTING FLOWERS

Acroclinium
Ammobium

Catananche
Gomphrena

Helichrysum
Helipterum

Palafoxia
Rhodanthé

Xeranthemum
Ornamental Grasses

ORNAMENTAL GRASSES

Many of these Grasses, if cut before they are entirely ripe, will be found useful in the formation of winter bouquets, in connection with the Everlastings.

NUMBER AND NAME <small>See ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
89000 * <i>Agrostis nebulosa</i>	2	hA	apet.	1	10	} Very fine for vases and bouquets. The plumes of <i>A. nebulosa</i> are very delicate.
89010 <i>pulchella</i> .....	.	.	.	.	10
89020 <i>minutiflora</i> .....	.	.	.	.	10
89040 * <i>Andropogon argenteus</i>	3	hP	.	3	10	} Silky flowers, white hairs.
89060 <i>Arundo Donax</i> .....	.	.	.	10	10
89070 *— <i>fol. variegatus</i> .....	.	.	.	.	10
89090 <i>Avena sterilis</i>	2 3	hA	.	3	5	} (Animated Oats.) Curious.
89110 <i>Briza geniculata</i>	2	.	.	1	10	
89120 <i>gracilis</i> .....	.	.	.	.	5
89130 <i>maxima</i>	1½	5	} (Quaking Grass.) No. 89130 is very pretty for bouquets.
89150 <i>Brizopyrum siculum</i> .....	.	.	.	¾	5
89170 <i>Bromus brizæformis</i> ... oz., 25c.	.	.	.	3	5	
89180 <i>macrostachys</i> ... oz., 25c.	5	} No. 89170 is very fine for winter bouquets. To this genus belongs the Cheat Grass.
89190 <i>madritensis</i> .....	.	.	.	.	5
89230 <i>Chloris barbata vera</i> .....	.	.	.	1	10
89250 <i>Chrysurus cynosuroides</i>	5	} For groups and for baskets. Pretty for edgings.
89270 <i>Coix Lacryma</i> oz., 15c., lb., 50c.	2 3	.	.	1½	5	
89280 — <i>aurea zebrina</i> .....	.	.	.	.	5
89300 <i>Cryptopyrum Richardsoni</i>	2	.	.	2	10	} Very fine Grass.
89320 <i>Elusine barcinonensis</i>	2 3	.	.	1	5	
89330 <i>coracana</i> .....	.	.	.	.	5
89340 <i>indica</i>	5	} (Crab, or Yard Grass.) <i>E. Indica</i> is the Wire Grass.
89350 <i>Elymus giganteus</i>	2	hP	.	5	5	
89360 <i>Eragrostis elegans</i> ... oz., 25c.	.	hA	.	1	5	
89370 <i>amabilis</i>	5	} Pretty Grasses, growing about a foot high, and characterized by their beautiful dancing spikelets; fine for bouquets. No. 89360 is Love Grass.
89380 <i>abyssinica</i> .....	.	.	.	.	5
89390 <i>maxima</i> .....	.	.	.	.	10
89400 <i>suaveolens</i> .....	.	.	.	.	5
89420 <i>Erianthus Ravennæ</i> ... oz., 60c.	2 3	hP	.	6-8	10	} (Plume Grass.) Very stately.
89440 <i>Eulalia japonica</i> ... oz., 60c.	.	.	.	5	10	
89450 — <i>zebrina</i> .....	.	.	.	.	10
89470 <i>Festuca glauca</i>	2	15	} (Fescue Grass.) Ornamental.
89490 <i>Gymnnothrix caudata</i> .....	.	.	.	.	5
89500 <i>japonica</i> .....	.	.	.	2-3	10
89510 <i>latifolia</i>	4	5	} Grown chiefly as curious and ornamental grasses.
89530 * <i>Gynerium argenteum</i> • oz., 60c.	.	.	.	.	10
89550 *— <i>roseum</i> .....	.	.	.	.	10
89560 <i>jubatum</i> .....	.	.	.	.	5
89580 <i>Hordeum jubatum</i>	hA	.	2	10	} (Squirrel-tail Grass.)
89600 <i>Isolepis gracilis</i> .....	.	tP	.	½	20
<i>Job's Tears</i> .....	.	.	.	.	.
89620 <i>Lagurus ovatus</i> ... oz., 25c.	.	hA	.	2	5	} Very pretty rush-like grass. See <i>Coix Lacryma</i> , above, 89270.
89640 <i>Lasiagrostis argentea</i> .....	.	hP	.	3	5
89660 <i>Panicum sulcatum</i> .....	.	hA	.	.	15
89680 <i>Pennisetum villosum</i> ... oz., 30c.	.	.	.	1½	5	} Ornamental grass. 89690 has beautiful crimson plumes.
89690 <i>Rueppelianum</i> ... oz., 50c.	.	.	crim.	3	5	
89710 <i>Poa amabilis</i> .....	.	.	apet.	2	10
89730 <i>Setaria alopecuroides nigra</i>	5	} Graceful black spikes.
89750 * <i>Stipa pennata</i> ... oz., 50c.	2	hP	.	.	10	
89760 <i>elegantissima</i> .....	.	.	.	.	15
89780 <i>Tricholæna atropurpurea</i>	2 3	hA	.	.	10	} (Feather Grass.) Grown for its very graceful plumes.

NUMBER AND NAME <i>3/4</i> oz. at oz. rate only on articles quoted at \$1 per oz. and over.	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
89800 <i>Zea japonica</i>.....oz., 20c.	2	hA	apet.	3	cts. 5	Ornamental varieties of Corn, Nos. 89800 and 89810 have beautifully striped leaves. No. 89820 is the Miniature Maize.
89810 —quadricolor .....oz., 20c.	5	
89820 <i>gracillima</i>.....oz., 20c.	5	
89830 <i>Caragua</i>.....oz., 20c.	6	
Mixed Ornamental Grasses—						
89880 Mixed Tall.....oz., 20c.	4	5	These mixtures contain all the standard sorts.
89900 Mixed Dwarf.....oz., 30c.	2	5	

Collections of Ornamental Grasses

89940 25 varieties Ornamental Grasses, one packet of each.....	\$0 80
90000 12 varieties Ornamental Grasses, one packet of each.....	50

PALM SEEDS

Imported direct from approved sources in Australia, New Zealand, South America, Central America and the West Indies, and unexcelled in quality and purity. Fresh seeds arrive throughout the year, as the various species mature, but the greater number come during the spring and summer. The seeds are slow in starting, and the germinating period varies, according to the variety, from three weeks to three months. The young plants should be potted in 3-inch pots in a compost of rotted sods, leaf-mould and sand, and well watered. They grow slowly. As soon as the roots begin to crowd, the plants should be lifted into larger pots, special attention being given to secure good drainage. The plants do well in partial shade, and to keep the sod cool and to prevent it from quickly drying out, it is well to cover the surface with sphagnum moss. They must be kept in an even temperature. Customers are invited to let us book their orders, to be sent from time to time as fresh shipments arrive.

	Pkt. 100 seeds		Pkt. 100 seeds
<i>Areca lutescens</i>.....12 seeds, \$0 25	\$1 25	<i>Kentia Belmoreana</i>.....15 seeds, \$0 25	\$1 25
<i>sapida</i>.....10 "	10 75	<i>Canterburyana</i> (Umbrella	
<i>Brahea filifera</i> (Washing-		<i>Palm</i>).....15 "	25 1 25
<i>tonia</i>).....25 "	10 30	<i>Forsteriana</i>.....15 "	25 1 50
<i>robusta</i>.....15 "	10 50	<i>Latania borbonica</i>.....10 "	10 50
<i>Chamærops elegans argentea</i> 12 "	10 60	<i>Musa ensete</i> (Abyssinian	
<i>excelsa</i>.....25 "	10 30	<i>Banana</i>).....15 "	25 1 50
<i>humilis</i>.....20 "	10 40	<i>Oreodoxa regia</i> (Royal	
<i>Cocos australis</i>.....12 "	25 1 25	<i>Palm</i>).....12 "	25 1 25
<i>Bonnetti</i>.....15 "	25 1 50	<i>borinquena</i> (Royal Palm	
<i>campestris</i>.....15 "	25 1 50	<i>of Porto Rico</i>).....15 "	10 65
<i>Weddelliana</i>.....10 "	25 2 00	<i>Pandanus utilis</i> (Screw Pine) 8 "	15 1 50
<i>Corypha</i> (<i>Livistona</i>) <i>australis</i>		<i>Phoenix canariensis</i>.....15 "	10 40
(Cabbage Palm).....10 "	10 75	<i>dactylifera</i> (Date Palm).. 8 "	10 1 00
<i>Dracaena australis</i>.....20 "	15 50	<i>reclinata</i>.....8 "	10 1 00
<i>indivisa</i>.....25 "	10 25	<i>rupicola</i>.....15 "	25 1 50
<i>indivisa lineata</i>.....15 "	10 50	<i>tenuis</i>.....10 "	25 2 00
<i>Draco</i>.....12 "	25 1 00	<i>Seaforthia elegans</i>.....8 "	10 1 00
<i>Geonoma gracilis</i>.....10 "	25 2 00		

Collection of 10 varieties of Palm seeds, by name, our selection, \$1 each

Throughout the year we have *Cycas revoluta* stems (*Sago Palms*) in various sizes direct from Japan. Lb. 15 cts.**CHOICE COLLECTIONS OF FLOWER SEEDS.** Free by mail at prices quoted.

12 Annuals.....\$0 50	10 More Rare Annuals.....\$1 00
25 ".....1 00	20 Choice Hardy Biennials and Perennials... 1 50
50 Annuals, Biennials and Perennials..... 2 00	25 " Greenhouse Seeds..... 4 00
100 " " "..... 4 00	12 " " "..... 2 00
25 More Rare Annuals..... 2 00	12 Annuals for Bees..... 50

All strictly our own selection

LIST OF FLOWERS SUITABLE FOR BOUQUETS

<i>Abronia umbellata</i>	Carnation	Globe Amaranth	<i>Reseda odorata</i>
<i>Ageratum mexicanum</i>	Centaurea	Godetia, assorted	<i>Salvia splendens</i>
<i>Alyssum maritimum</i>	<i>Centranthus macrosiphon</i>	<i>Gypsophila</i>	<i>Scabiosa</i>
<i>Amarantus tricolor</i>	<i>Chrysanthemum inodorum</i>	<i>Impatiens Sultani</i>	<i>Sanvitalia procumbens</i>
<i>Ammobium alatum</i>	<i>Collinsia bicolor</i> and <i>verna</i>	<i>Kaulfussia amelloides</i>	<i>Silene</i> , Mixed
<i>Aquilegia chrysantha</i>	<i>Cosmos</i> and <i>Cuphea</i>	<i>Leptosiphon</i>	<i>Statice</i> , assorted
<i>Aster</i>	<i>Dahlia</i> , Single	<i>Lobelia erinus</i>	<i>Stevia serrata</i>
<i>Balsam</i>	<i>Dianthus chinensis</i>	<i>Malope grandiflora</i>	<i>Stocks</i> , Ten Weeks
<i>Cacalia coccinea</i>	<i>Digitalis</i> assorted	<i>Marigold</i>	<i>Sweet Peas</i>
<i>Calliopsis lanceolata</i>	<i>Gaillardia</i>	<i>Mignonette</i>	<i>Verbena</i>
<i>Callirhoe pedata</i>	<i>Gaura Lindheimeri</i>	<i>Pansy</i>	<i>Viscaria oculata</i>
<i>Candytuft</i>	<i>Gilia tricolor</i>	<i>Phlox Drummondii</i>	<i>Zinnia</i> , all varieties

GLADIOLI

Gladioli are very easily grown. Any good soil suits them. Plant as soon as all danger from frost is past, about 3 inches deep and 7 or 8 inches apart. By planting at intervals up to the first of July, these fine flowers can be had in bloom all through the summer and fall—the later flowers being the best. About the end of October, when the leaves begin to wither, the bulbs should be taken up, dried in the open air, and then stored in a dry place, free from frost, for planting next spring. *Those so marked are used extensively for forcing.

NEW YELLOW GLADIOLI

PRIMULINUS. (Scarce.) Rare species from Victoria Falls, South Africa; grows 3 to 4 feet tall and is very vigorous. The flowers are of good size and are a clear primrose-yellow. Blooms late in July. Crop failed.

PRIMULINUS Hybrids. Hybrids of the above, with many related species and choice garden varieties. Extremely vigorous and healthy growers blooming in July and August. Grows 3 to 5 feet high, with long spikes of richly colored blooms, varying in color from clear yellow to crimson, the latter with large, soft orange or golden throats. 20 cts. each, \$2 per doz., \$12 per 100.

VARIOUS MIXED GLADIOLI

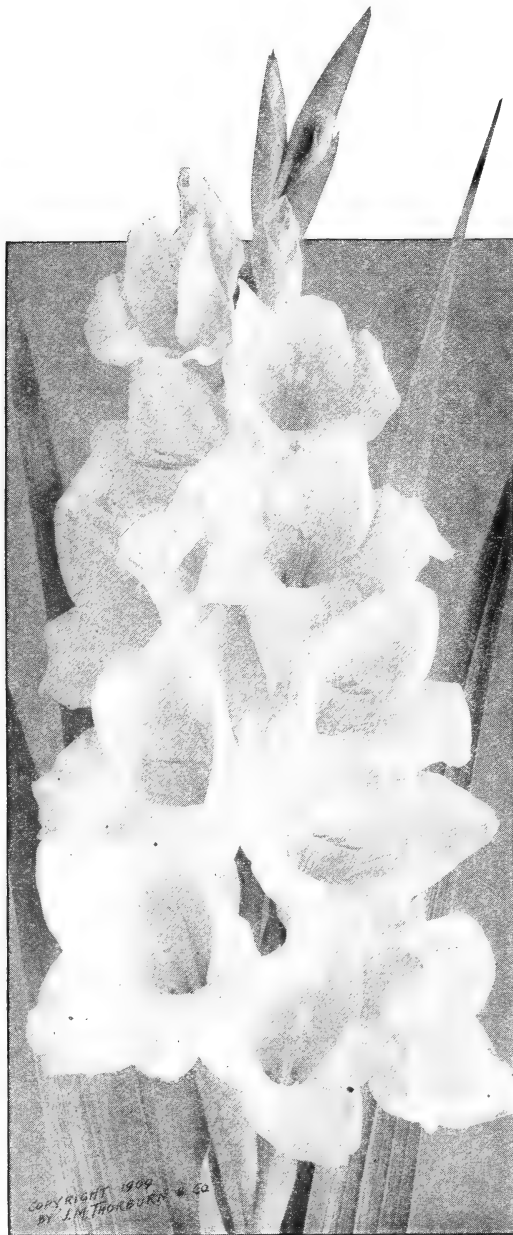
6 of a kind at dozen rates, 25 at 100 rates, 250 at 1,000 rates

	Doz.	100	1,000
Mixed Varieties of Red and Scarlet.....	\$0 35	\$2 00	\$14 00
“ White and Light. Standard selection.....	40	2 25	17 00
* “ White and Light. Extra-fine for florists’ use....	50	3 25	25 00
“ Striped and Variegated....	45	2 75	23 00
“ Pink and Rose. Extra-fine.....	40	2 25	17 00
“ Yellow and Orange.....	70	4 75	40 00
“ Hybrids. All colors.....	35	2 00	14 00
“ Groff’s Hybrid Seedlings	35	2 00	14 00
“ Lemoine’s. Fine bright coloring and odd markings.....	45	2 25	15 00
“ Childsii. Superb large-flowered.....	50	3 00	24 00

FINE NAMED HYBRID GLADIOLI

6 of a kind at dozen rate

Amalthee. Pure white, large violet-red blotch; ground of the corolla velvety violet, lower petals slightly tinged lilac.....	Each	Doz.	
	\$0 15	\$1 50	
Angele. White; showy and effective....	15	1 50	
ANGELIQUE. White, slightly tinted flesh, ivory-white blotch.....	20	2 00	
Astarte. Compact spike of large flowers, pale rosy lilac streaked with rose....	15	1 25	
* Augusta. Beautiful pure white, with blue anthers.....	per 100, \$4..	06	70
Beaute de Juillet. Long spike, salmon-rose flowers, striped and marbled slaty violet.....	15	1 50	
Baron Hulot. Also called Blue Jay. Blue.....	20	2 00	
Brenchleyensis. Bright vermilion-scarlet.....	per 100, \$2.50..	05	50



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BY J. M. THORBURN & CO.

FINE NAMED HYBRID GLADIOLI, continued

Carnation. Flesh-white, tinged car-	Each	Doz.			
mine at the edges, the lower petals					
blotched purplish carmine	\$o	15	\$1	25	
Carmen. Compact spike; large flowers;					
straw-color, streaked rose-amaranth					
on outer, and citron-yellow at base of					
inner petals.....		15	1	50	
*Ceres. Pure white, spotted with pur-					
plish rose.....per 100, \$3.50..		06		65	
Chicago. Compact spike. Dark car-					
mine-red, with almost black stripes,					
large white blotch and center band...		15	1	25	
Conquete. Bright cherry-red, with					
pure white blotch; upper petals					
striped rose; large flowers.....		15	1	25	
Crepuscle. Splendid spike; flowers lilac-					
rose, flushed carmine, with violet on					
the edges of the petals.....		15	1	50	
Demosthene. Bright rose, flamed car-					
mine, streaked white, bright center,					
blotched violet-carmine; dwarf habit.		15	1	50	
DIAMANT. Extra-large flowers, flesh-					
white, with ivory-white throats,					
blotched and streaked carmine.....		20	1	75	
Emma Thursby. Carmine, striped on					
white ground.....per 100, \$3.50..		06		65	
Escarboucle. Dark carmine-red, pure					
white band and blood-red blotch....		10	1	00	
*Eugene Scribe. Fine tender rose, blazed					
carmine; very large and wide flowers..		10	1	00	
Feu Follet. Well-opened flowers with					
ivory-white throats, richly tinted and					
striped with carmine at the edges....		15	1	50	
Fra Diavolo. Bright orange-rose, flushed					
violet-red at edges; pale yellow blotch.		15	1	50	
Grandesse. Large, well-opened flower;					
petals flesh-white, slightly suffused					
with lilac. Carmine blotch.....		15	1	50	
*Isaac Buchanan. Very fine yellow.....		10	1	00	
*Lamarck (de). Large flowers, cherry					
tinted orange, blazed red, stained white		06		60	
LePhare. Brilliant fiery red; very fine...		15	1	50	
*Madame Monneret. Delicate rose.....					
per 100, \$4.50..		10		75	
Matador. Fine spike, flowers brilliant	Each	Doz.			
carmine, striped and blotched white..\$o	20	\$1	75		
Madame Poret. Large spikes of coppery					
rose-colored flowers, with slight golden					
blotch.....	15	1	50		
Magnificus. Very large flowers; round					
and open; cinnabar-red with white					
blotch, edged violet.....	20	1	75		
*May. Fine pure white, flaked rosy					
crimson; superb spike. One of the					
best for forcing in greenhouse.....					
per 100, \$3.50....	06		60		
Mr. Jansen. Large rosy carmine, edged					
and streaked violet-red, with cream-					
colored blotch.....	15	1	50		
Mrs. Francis King. Light scarlet; lovely.	10	1	00		
Neron. Tall spike; dark crimson, suf-					
fused with dark blood-red and violet..	15	1	50		
Octoroon. Beautiful salmon-pink.....	10	1	00		
Pactole. Yellow, tinged with rose at the					
edges; blotch of a darker shade.....	15	1	50		
Phoebus. Brilliant red, pure white					
blotch.....	15	1	50		
POTENTAT. Carmine-rose, blotched					
scarlet, edged yellow.....	20	1	75		
Proserpine. Large, cherry-red flowers,					
banded with slate color; tall spike....	15	1	50		
Rossini. Dark amaranth-red, streaked					
and blotched white.....	15	1	50		
*Shakespeare. White, slightly suffused					
carmine-rose; large rosy blotch.....	15	1	50		
Surprise. Rose-amaranth; very late-					
blooming variety.....	15	1	50		
Thermidor. Large, salmon-red flowers,					
flushed and edged slaty gray.....	15	1	50		
Tigridia. Flowers salmon-yellow, flamed					
with rosy carmine.....	15	1	50		
Titania. Beautiful tall spike, creamy					
salmon, flamed cherry.....	15	1	50		
Van Dael. Large flowers of a delicate					
salmon-rose at the center, streaked					
with blood-red at the top of the petals	15	1	50		

GIANT CHILDISH GLADIOLI

Very tall and erect, often 4 or 5 feet high, with spikes of bloom over 2 feet long. The flowers are of great substance and of gigantic size, frequently 7 to 9 inches across. Every color known among Gladioli.

*AMERICA. Soft flesh-pink, tinged	Each	Doz.			
lavender; erect spike. Strikingly					
beautiful	\$o	15	\$1	25	
Attraction. Deep rich crimson, pure					
white throat.....	10	1	00		
Columbia. Light orange-scarlet, blotched					
and penciled bluish purple.....	10		75		
Dr. Sellew. Large spike; deep rich rosy					
crimson, penciled darker	10	1	00		
F. L. Oakley. Bright salmon, tinged					
scarlet, with pure white center. Very					
showy.....	10	1	00		
Gracilis. Dull red, margined slate-blue.					
Large flowers.....	10		85		
Henry Gillman. Deep salmon-scar-					
let, with pure white bands through					
each petal; throat peculiarly mot-					
tled.....	10		75		
Little Blush. Dwarf habit; compact	Each	Doz.			
spike of blush-white.....	\$o	10	\$o	85	
Oddity. Amaranth-red, throat mottled					
red and white.....	10		85		
Salem. Fine salmon-pink, maroon..					
blotches.....	10		85		
Scribe. Tender rose, tinged white;					
carmine striped; very large flower and					
spike.....	15	1	25		
Sunlight. Light crimson, canary-yellow					
throats.....	10		85		
Superb. Pink, flaked and striped; enor-					
mous flower; immense spike.....	10	1	00		
Wm. Falconer. Enormous size; beauti-					
ful clear light pink.....	15	1	50		

We call special attention to our grand *Primulinus* Gladioli on page 120. Nothing like them.

DAHLIAS (Double)

6 of a kind at dozen rates

CACTUS

	Each	Doz.		Each	Doz.
Beatrice. Deep rose-pink; very large flower.....	\$o 20	\$2 00	Loyalty. Bright coral-red; perfect form.....	\$o 20	\$2 00
Capstan. Soft brick-red shaded apricot; profuse bloomer.....	15	1 50	May Farnsworth. Yellow, heavily tipped white; fine.....	15	1 50
EARL OF PEMBROKE. Bright plum, deeper toward center.....	15	1 50	Mary Lanette. Deep salmon and red; long, twisted, incurved petals.....	15	1 50
Flamme. Brilliant red; fine for cutting...	15	1 50	Mrs. Chas. Turner. Bright lemon-yellow; long, pointed petals; perfect form. Exquisite.....	15	1 50
Gloriosa. Splendid crimson.....	20	2 00	Mrs. H. J. Jones. Salmon-red, tipped white; twisted and pointed petals. Very fine.....	15	1 50
GOLIAH. Yellow, shaded and tipped salmon; distinct and good. Very large...	20	2 00	Mrs. J. Mace. Blush-pink; dwarf habit..	15	1 50
J. H. Roach. Light yellow; perfect form; long, incurved, pointed petals.....	15	1 50	RED HUSSAR. Rich, dazzling cardinal-red; strong grower; free bloomer; long stems.....	20	2 00
Harbour Light. Vivid orange-red, overlaid with flame-color; fine large flower....	20	2 00	W. B. Childs. Dark crimson, finely formed flowers. Remarkably free-bloomer.....	20	2 00
Innovation. Ruby-crimson, tipped white; long stems.....	20	2 00	Volker. Clear canary-yellow; fine cactus form; early and a very profuse bloomer	20	2 00
Kriemhilde. Deep rosy pink, lighter toward center.....	20	2 00			
Libelle. Finest purple, long petals; profuse bloomer; long stems. Splendid ...	15	1 50			



DECORATIVE

Admiral Dewey. Brilliant purple; fine form; strong grower.....	Each	Doz.	
	\$0 15	\$1 50	
Blue Oban. Lavender-blue; long stems..	15	1 50	
Catherine Duer. Crimson-scarlet; long, stiff stems. Very fine.....	15	1 50	
C. W. BRUTON. Large, clear yellow....	20	2 00	
Cyclops. Rich crimson, flushed lighter. Long, straight, stiff stems.....	15	1 50	
Incendiary. Intense crimson; of bushy upright, but medium growth. Profuse bloomer.....	15	1 50	
IRIDESCENT. Orange-red, overlaid and edged blue; medium-sized flowers, with long stems; fine for bouquets.....	20	2 00	
JACK ROSE. Crimson, a shade darker and richer than the celebrated Genl. Jacqueminot rose. Planted May 1, comes into bloom early in June and continues flowering until cut down by frost in October. Flowers are full to center and are borne on long stems. Fine for cutting.....	25	2 50	
Jumbo. Deep crimson flowers on stout stems; elegant form.....	15	1 50	
LORD LYNTHURST. Intense scarlet; fine grower; very prolific.....	20	2 00	
Maid of Kent. Cherry-red, tipped white.	15	1 50	
Nymphaea. White, suffused light shrimp-pink; beautiful.....	15	1 50	
Orange King. Rich, glowing orange; very early; profuse bloomer.....	15	1 50	
Prof. Mansfield. Rich yellow, with clear white tips and a slight marking of rosy red toward the center; immense flower.	20	2 00	
SYLVIA. White, shading to pink on outer petals; flowers 4 to 6 inches in diameter; early and profuse bloomer.....	15	1 50	
Xanthia. Dark purple, with crimson reflexed center; very fine.....	15	1 50	
Zulu (The Black Dahlia). Very dark maroon, almost black.....	15	1 50	

SHOW AND FANCY

A. D. LIVONI. Soft pink; quilled petals; profuse bloomer.....	Each	Doz.	
	\$0 15	\$1 50	
Arabella. Pale primrose, tipped and shaded old rose; profuse bloomer; large flowers of perfect form.....	15	1 50	
Dr. J. P. Kirtland. Dark crimson, flushed maroon. Large blooms on long stems.	15	1 50	
Enchantress. Pure white; fine form; free-bloomer.....	15	1 50	
Grand Duke Alexis. Pure white, slightly shaded delicate lavender.....	15	1 50	
John Walker. Pure white; round, full form.....	15	1 50	
Lemon Ball. Canary-yellow, tinted lemon. Full round flowers of medium size....	15	1 50	
Oakfield. Purple and maroon; free bloomer	15	1 50	
Penelope. White, flaked lavender.....	15	1 50	
Striped Banner. Crimson-scarlet, tipped white; semi-dwarf.....	15	1 50	
Sunset. Yellow; large, full and deep....	20	2 00	

POMPON VARIETIES

Daybreak. Dark maroon. Excellent..	15	1 50	
Fairy Queen. Light sulphur-yellow; edged peach; long stems; free-flowering.	15	1 50	
KLEIN DOMITEA. Beautiful golden amber, darker toward center. Flowers in great abundance on long stems. Dwarf habit. Finest of all pompons.....	20	2 00	
Little Helen. Soft blush-white; very free-bloomer; long stems. Splendid.....	20	2 00	
Raphael. Dark maroon, almost black; perfect flowers on long stems.....	15	1 50	

SINGLE VARIETIES

Cynthia. Blush-white, tinted pink toward base of petals. Large golden yellow eye; exquisite variety.....	20	2 00	
Lavender Century. Delicate lavender; fine.....	20	2 00	
Twentieth Century. Intense rosy crimson, white tips and white disc, around a yellow center.....	20	2 00	

Dwarf Large-Flowering French Cannas

6 of a kind at dozen rates, 25 at 100 rates

These fine ornamental plants produce bold and striking foliage of dark metallic hues, as well as the various shades of green. The flowers range in color from yellow and orange to scarlet and deep crimson, and the plants bloom continuously from the time of planting until cut down by frost.

CROZY TYPE, GREEN FOLIAGE

Alphonse Bouvier. 4 feet. Rich crimson flowers.....	Each	Doz.	100
	\$0 12	\$1 00	\$7 00
Charles Henderson. 3 to 4 feet. Crimson-scarlet flowers, yellow flame in throat.....	12	1 00	7 00
Coronet. 3 feet. Pure canary-yellow.....	15	1 25	8 00
Duke of Marlboro. 5 to 6 feet. Large, glowing crimson flowers with orange veins.....	15	1 25	8 00
Eldorado. 3 feet. Dark yellow, spotted red.....	12	1 00	7 00
Explorateur Crampbell. 5 to 6 feet. Dark green foliage; flowers cardinal, speckled darker.....	15	1 25	8 00

Flamingo. 3 feet. Light scarlet, shaded red.....	Each	Doz.	100
	\$0 15	\$1 25	\$8 00
Joliet. 5 to 6 feet. Very large, brilliant orange-scarlet flowers..	15	1 25	8 00
Madame Crozy. 3 feet. Brilliant vermilion-scarlet flowers edged yellow. Bright green foliage....	15	1 25	8 00
Morning Star. 4 feet. Yellow with red spots.....	12	1 00	7 00

CROZY TYPE, BRONZE FOLIAGE

Shenandoah. 3½ feet. Rose-pink; fine bedder. Similar to King Humbert, but with smaller flowers.....	Each	Doz.	100
	\$0 12	\$1 00	\$7 00



A PLANTING OF FRENCH CANNAS

ORCHID-FLOWERED CANNAS

Allemanina. 4 to 5 feet. Orange-red, bordered with yellow. . . . \$0 12 \$1 00 \$7 00 Each Doz. 100

Indiana. 5 feet. Orange flowers of heavy texture. 12 1 00 7 00

KING HUMBERT. 4 feet. Bears immense brilliant orange-scarlet flowers streaked with crimson and gold, in gigantic trusses. Foliage rich coppery-bronze. A massive sturdy grower of stately habit. 15 1 25 8 00

Louisiana. 6 ft. Immense scarlet-crimson flowers, often 7 inches or more across. 15 1 25 8 00

Pennsylvania. 6 ft. Solid red flowers, rich green foliage; one of the best of this type. 12 1 00 7 00

Wyoming. 6 ft. Immense umbels of massive orange flowers; bronze-purple foliage. A splendid bedder. \$0 15 \$1 25 \$8 00 Each Doz. 100

CANNAS, FOLIAGE TYPE

King of the Bronzes. 7 to 8 ft. Broad, bronze leaves of fine appearance; red flowers. \$0 15 \$1 25 \$8 00 Each Doz. 100

Marechal Vaillant. 7 ft. Large, rich bronze leaves; rapid grower. One of the best. 12 1 00 7 00

Musafolia. 5 to 6 ft. One of the best foliage sorts, with bright green foliage and narrow border of bronze; seldom blooms, but has small red flowers when it does. 15 1 25 8 00

Robusta. Dark bronze foliage. 7 ft. 12 1 00 7 00

ALL THE ABOVE ARE DORMANT ROOTS**AMARYLLIS**

The Amaryllis produces, under the simplest conditions, one to three spikes, two or more feet high, crowned with from two to six large and beautiful trumpet-shaped blooms lasting long in good condition. They should be planted as soon as received, in pots an inch or so larger than the diameter of the bulb.

The most suitable soil is good loam, with one-fourth part of leaf-mold or pulverized manure, and some sand. Good drainage is very important. The growing season is from early spring until September. Manure-water during this time is almost essential.

Aulica (Lily of the Palace). Large flowers, crimson, shaded green. \$1 25 Each Doz.

Belladonna major. Violet and white; in large umbels; fragrant. 25 \$2 50

Cleopatra. Large, bright purple-red, white striped. 3 50

Crocea grandiflora. Bright orange, white stripe. 2 50

Formosissima (*Jacobæan Lily*). Pretty scarlet flowers; may be planted outside in the spring. 15 1 25

Graveana. Dark orange. \$1 75 Each Doz.

Johnsoni. (*Spice Lily*). Large, beautiful flower, crimson, striped white. Large bulbs. 65 \$6 50

Josephine (gigantea). Fine scarlet flowers in immense umbels. Extra-size bulbs. 6 00

Longifolia rosea. Rose; hardy. 25 2 50

" alba. White; hardy. 25 2 50

Lutea (*Sternbergia*) 12 1 25

PAEONIES

Double Pæonies are too well known to require description. Their present popularity is due to the great improvement in them in recent years, their easy culture, the handsome appearance of the plant, and the brilliant and striking effect of their massive, finely formed and richly colored flowers. The attention given to them, in Europe and in America, has resulted in the production of many notably fine new varieties. Among hardy, herbaceous perennials, the Chinese Pæonies rank about first for lawn or flower-border, or shrubbery decoration. They are all hardy.

Our assortment includes the best and most distinct sorts, new and old. There are many kinds, including varieties showing but trifling variations, which we omit.

Herbaceous Chinese Pæonies

(*Paeonia chinensis*)

	Each	Doz.
Alba plena. Pure white; sweet-scented.....	\$o 3o	\$3 0o
Alba superba. (Potsii). Creamy white center, rosy border.....	35	3 5o
Asa Gray. Rosy carmine. Superb.....	6o	6 0o
Boule de Neige. Sulphury white; center leaves with rosy borders.....	45	4 5o
Comte de Niepperg. Bright carmine; early	45	4 5o
Duchesse de Nemours (Calot). White....	45	4 5o
Festiva. White; rosy spots.....	45	4 5o
Festiva maxima. White; exquisite.....	45	4 5o
Gigantea. Fine pink; flowers on long stems; early; fragrant.....	45	4 5o
Hamlet. Pink flowers; long stems.....	45	4 5o
Humea carnea. Tender rose passing to white.....	4o	4 0o
Jeanne d'Arc. Rose, sulphur and rosy white center.....	4o	4 0o

Louis Van Houtte. Cherry color, with purplish reflection.....	Each	Doz.
Madame Geissler. Rosy lilac; large flower early.....	\$o 4o	\$4 0o
Nobilissima. Bright rosy lilac; large flower; early.....	5o	5 0o
Queen Victoria. Rose, darker center....	35	3 5o
Rose d'Amour. Rose; fine color and form.	4o	4 0o
Solfatare. Dark sulphur.....	35	3 5o
Thorbecki. Tender rose; center deep rose.	35	3 5o
Washington. Rose; fine.....	4o	4 0o
Double Mixed, All White.	25	2 5o
“ “ All Crimson.	25	2 5o
“ “ All Rose.	25	2 5o
“ “ Many Colors.	25	2 5o

Japanese Tree Pæonies

(*Paeonia arborea*)

These are very beautiful and free-flowering, and bloom two or three weeks earlier than the herbaceous sorts. We are importing an assortment of the following fine named varieties:

\$1.50 each

- Atropurpurea.** Purple; half double.
- Berenice.** Rosy lilac; enormous flower.
- Comata.** White and lilac mixed.
- Comtesse de Tuder.** Rosy white; very double.
- Elizabeth.** Brilliant pink; large flower.
- Fragrans maxima plena.** Brilliant salmon-rose; large, double flower.

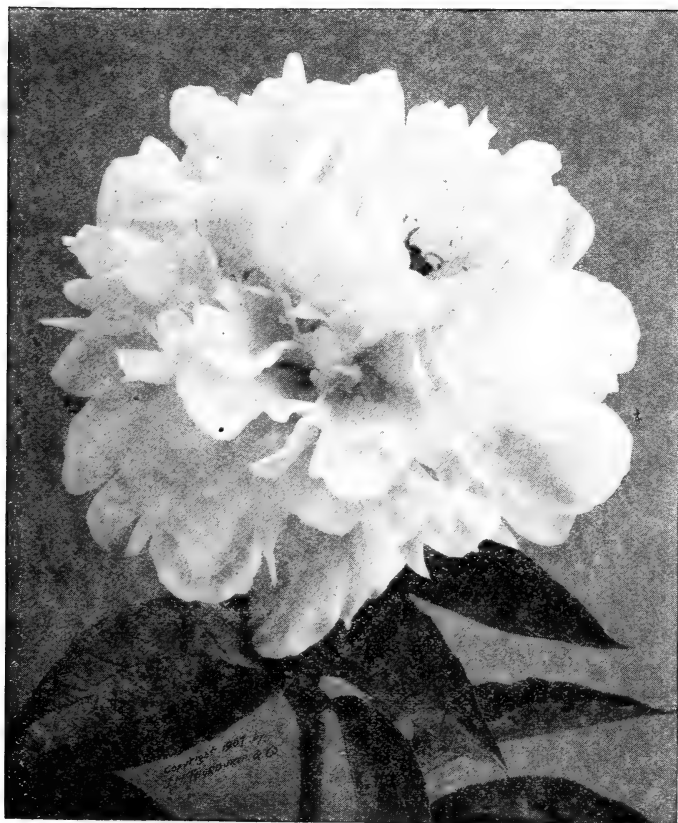
Paeonia Tenuifolia

Very elegant plants, with narrow-leaved feathery, large foliage.

	Each	Doz.
Double-flowering. Rich crimson	\$o 4o	\$4 0o
Single-flowering. Rich crimson.....	25	2 5o

Paeonia Officinalis

	Each	Doz.
Anemonæflora. Crim-son; single anemone-flower shape.	\$o 45	\$4 5o
Atro-rubra plena. Dark red; double	3o	3 0o
Mutabilis plena. Rose, passing to white; double	35	3 5o
Splendens. Dark red; half double.....	4o	4 0o



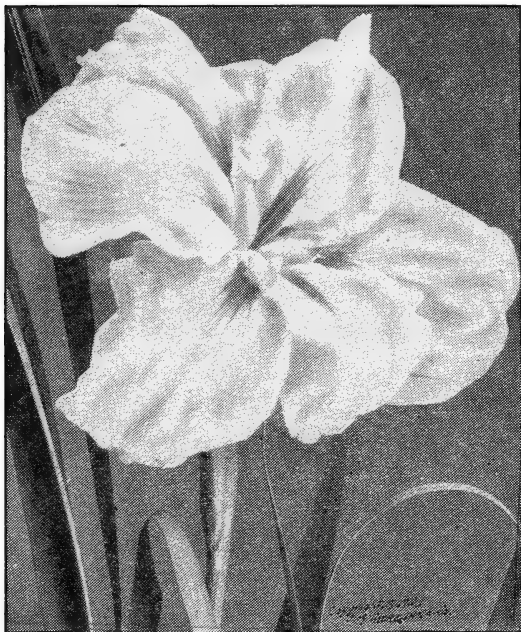
PAEONIA CHINENSIS

JAPAN IRIS (*Iris Kaempferi*)

SUPERB COLLECTION OF LARGE-FLOWERED SORTS

We have imported from Japan a large supply of the following eighteen of the best of these magnificent Irises, which excel in size, perfection of form and richness of color. These are most valuable for cut-flowers and table decoration—as handsome as orchids. Flowers should be cut in the early morning or after sunset. They come in large clumps. *The descriptions given are those furnished us by the growers in Japan.*

25 cts. each, \$2.50 per doz., \$18 per 100



JAPAN IRIS

- Biwa-no-umi.** White, feathered purple, sky-blue at edges, primrose blotches; large flower. 3 petals.
- Boteki-no-Koe.** Pure white, heavily veined lavender, with pale primrose blotches; standards wine-color, lighter toward edges, stigmas lavender; striking. 3 large petals.
- Datedogu.** Rich claret-red, yellow blotches. 3 petals.

- En-u-no-Sora.** Rosy lavender petals, light purple toward the center, large primrose blotches; standards white, veined and edged claret-red. 3 petals. Large and distinct.
- Hakubotan.** Large; pure white, with light primrose blotches; full flower.
- Ho-o-jo (Ho-o-Castle).** Ruby-crimson, primrose blotches; standards white and lavender.
- Kagura-Jishi.** Blush-white, radiating to bright claret-red on outer edge of petals. Light yellow blotches.
- Ran.** Royal-purple, edged lavender, with large primrose blotches; standards wine-red, white at bases. 6 petals. Large and distinct.
- Sassa-no-Koe.** White, veined wine-red and blotched yellow; standards lavender, running to purple at edges. 3 petals.
- Shippo (Cloisonne).** Rich tyrian-blue, edged purple and veined white, yellow blotches; standards white and wine-color. Large flowers.
- Shiraito-no-Taki.** Sky-blue, radiating to light purple at edges, large yellow blotches; standards white, pale blue and purple; distinct. 3 petals.
- Shi-un.** Rich purple, with large primrose blotches; large, full flower. 6 petals.
- Sui-Ren.** Very pale lavender, darker at edges, with yellow blotches. 6 petals.
- Taki-no-shiose.** Large flower; pure white, with primrose blotches. 6 petals.
- Tatsuta-Gawa.** Blush-white, radiating to claret-red at edges; primrose blotches. 3 petals.
- Yamato-Nishiki.** Pale lavender, running to purple on outside of petals, blotched and flaked dark purple; large primrose blotches; immense flower. 3 petals.
- Yedo-Jiman.** Royal-blue; large petals; standards purple. 3 petals.
- Yodokuruma.** Pale wine-color, veined darker, large orange blotches; standards very erect. Gigantic blooms. 3 petals.

PHLOX DECUSSATA (Ready in Spring)

Probably of more importance than any other class of hardy perennial plants. Of easy cultivation, requiring only ordinary care and succeeding in almost any soil or situation.

The varieties we offer have been very carefully selected and are among the best.

	Each	Doz.
Beranger. Light rose, striped white...	\$0 15	\$1 50
Boule de feu. Dark carmine; extra-fine...	15	1 50
Brilliant. Scarlet; splendid variety...	15	1 50
Eclaireur. Purple carmine; extra...	15	1 50
Elisabeth Campbell. Light terra-cotta, rose center. Fine flower...	20	2 00
Eugene Danzanvilliers. Porcelain-blue and white...	15	1 50
Frau Ant. Buchner. Pure white; extra fine...	20	2 00
General V. Heutz. Salmon-red, white eye; extra-fine; new...	20	2 00
Gruppenkonigin. Bright rose, carmine eye. Very beautiful...	20	2 00

	Each	Doz.
Josephine Gerbeau. Cherry-red, white eye...	\$0 15	\$1 50
Le Cygne. Pure white; extra fine...	20	2 00
L'Aiglon. Very large-flowering variety; carmine-rose with bright carmine eye; extra variety for cutting...	20	2 00
Miss Pemberton. Carmine-rose, dark eye, very large flowers. Beautiful...	20	2 00
Pantheon. Bright rose-red, light center; large flowers. Splendid...	20	2 00
SELMA. New. Very large flowers; truss of a beautiful, bright rose color, with cherry-red eye. Fine...	20	2 00

One each of the 15 varieties for \$2

LILIES

Lilies are easily grown and require little care. They do best in a light, well-drained soil. Some peat or leaf-mold may be used to advantage. They also prefer partial shade, and the taller sorts must have protection from high winds. *L. auratum* cannot bear manure, but thrives in ordinary light soil.

Auratum (Golden-banded Lily). The grandest of all hardy Lilies; flowers white, spotted with maroon, having a bright yellow band through each petal.

	Each	Doz.
8 to 9 inches.....per 100, \$9..	\$0 15	\$1 50
9 to 11 inches.....per 100, \$15..	25	2 50
11 to 13 inches.....per 100, \$22..	35	3 25

Auratum pictum. Beautifully spotted dark crimson. 8 to 10 inches..... 50 5 00

Auratum rubro vittatum. Enormous flowers, sometimes measuring 10 inches across; pure white, beautifully spotted and with a deep crimson stripe through center of each petal; very fragrant.

8 to 9 inches.....	65	6 50
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Batmanni. Bright apricot..... 30 3 00

Brownii. Flowers of immense size, creamy white inside, shaded chocolate-purple outside. A splendid pot-plant.. 65 6 50

Canadense. Native "Meadow Lily." Graceful, drooping, bright yellow flowers, spotted red. 1½ to 3 feet..... 12 1 25

Canadense rubrum. Red flowers..... 15 1 50

GIGANTEUM. A magnificent species, growing 6 to 10 feet high; white, with purple throat; extra-large choice bulbs 3 50

HENRYI (*Orange-yellow Speciosum*). Tall-growing sort; deep orange-yellow flowers; very beautiful and striking..... 70 7 00

Kramerii. White, slightly tinged with red; sweet-scented..... 25 2 50

Leichtlinii. Orange-red, with crimson spots. 2 to 3 feet..... 25 2 50

LONGIFLORUM. Beautiful for garden culture. 6 to 8 inches.per 100, \$5.. 08 75

7 to 9 inches.....per 100, \$6.50.... 10 1 00

Longiflorum multiflorum.....

6 to 8 inches.....per 100, \$6..	10	1 00
7 to 9 inches.....per 100, \$8..	15	1 50

Longiflorum multiflorum giganteum... Each Doz.

6 to 8 inches.....per 100, \$7..	\$0 12	\$1 25
7 to 9 inches.....per 100, \$10..	20	1 75

Philadelphicum. Bright orange-red, with black spots. 2 feet..... 15 1 50

Speciosum album Kraetzeri. Beautiful pure white flowers of large size; one of the handsomest and easiest-grown Lilies we have. 2 to 4 feet high.

8 to 9 inches.....per 100, \$13..	20	2 00
9 to 11 inches.....per 100, \$19..	30	3 00

Speciosum rubrum Melpomene. Very dark crimson-spotted flowers of large size.

8 to 9 inches.....per 100, \$8..	15	1 50
9 to 11 inches.....per 100, \$14..	20	2 00
11 to 13 inches.....per 100, \$19..	30	3 00

Superbum (Turk's Cap Lily). Deep orange-red, thickly spotted; 4 feet.... 12 1 25

Tenuifolium (Siberian Coral Lily). Nodding rich scarlet flowers. 1½ feet tall. 15 1 50

Tigrinum (*Tiger Lily*). Orange-salmon, spotted black.....per 100, \$4.50.. 08 80

Tigrinum splendens. Beautiful rich scarlet, with black spots; finest of all Tiger Lilies.....per 100, \$6.. 10 1 00

Tigrinum flore pleno. Double Tiger Lily; bright orange-red, with black spots. 4 to 5 feet.....per 100, \$7.. 12 1 25

Umbellatum erectum. Dark red and orange..... 15 1 50

" **grandiflorum**. Orange-red... 20 1 75

" **incomparabilis**. Dark red... 15 1 50

" **Mixed**..... 12 1 25

Wallacei. Orange-red, with maroon spots; late flowering..... 15 1 50

Washingtonianum. A lovely native variety of very stately habit. Large, trumpet-shaped flowers, pure white, tinged purple or lilac. Very fragrant. 4 to 7 feet.. 45 4 50

CRINUMS

The most suitable soil is a compost of turfy loam, cow-manure and sand. They should be grown in large pots or tubs, about three-fourths of the bulb being out of the soil. In late fall, remove to a cool-house and allow to rest till new leaves begin to appear in February. If placed outside when warm weather begins, they will flower through the summer, making splendid lawn or veranda plants.

Giganteum, Giant White. Immense bulbs; Each large white flowers; blooms all summer; very fragrant; should be watered plentifully while growing.....\$2 00

Amabile, Giant Pink. Extra large, bright pink, with white stripe; splendid flower; enormous bulb. This and the Giant White are unsurpassed for growing in tubs, blooming profusely outside all summer..... 2 00

Kirki. Large umbels of beautiful pure white flowers, with purple stripe in center of each petal; very fine.....\$0 75

Powellii. Produces long stems, bearing at the top five to eight large, dark rose, bell-shaped flowers, 3 to 4 inches long; of great beauty.. 40

Powellii album. Pure white; a very beautiful sort..... 65

Powellii intermedium. Light rose..... 70

TIGRIDIAS (Ready in April)

These very handsome summer-flowering bulbs should be planted in the spring. They will flower profusely all summer. The plants grow about 2 feet high, with large and finely colored flowers.

Alba immaculata. Pure white, Each Doz. 100

unspotted.....\$0 06 \$0 65 \$4 50

Canariensis. Very handsome, light

yellow, with brown spots..... 06 65 4 50

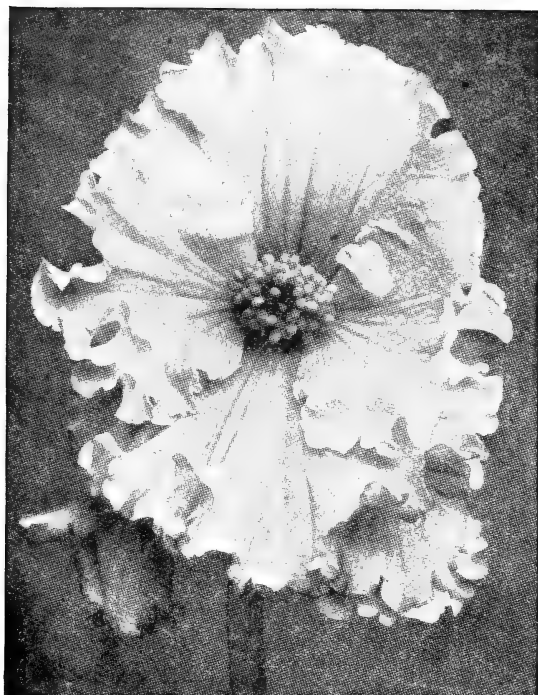
Conchiflora. Bright yellow..... 10 1 00 6 00

Lutea immaculata. Pure yellow;

handsome and striking.....\$0 10 \$1 00 \$6 00

Pavonia. Red..... 06 65 4 50

Speciosa pavonia. Scarlet..... 06 65 4 50



BEGONIA CRISPA

TUBEROUS-ROOTED BEGONIAS

Crop almost a failure, quantity very limited

6 of a kind at dozen rate, 50 of a kind at 100 rate

Splendid pot-plants for the house or for bedding. For bedding they should be started in hotbed in March and April. The hollow end of the bulb should be uppermost and but slightly covered. Water sparingly until the plants are growing.

	Each	Doz.	100
Single Red	\$0 15	\$1 00	\$6 00
“ Scarlet	15	1 00	6 00
“ Rose	15	1 00	6 00
“ White	15	1 00	6 00
“ Yellow	15	1 00	6 00
Double Orange	20	1 50	8 00
“ White	20	1 50	8 00
“ Yellow	20	1 50	8 00
“ Rose	20	1 50	8 00
“ Scarlet	20	1 50	8 00
“ Crimson	20	1 50	8 00
“ Pink	20	1 50	8 00

BEGONIA CRISPA (Single Fringed Begonias)

These comparatively new Begonias have beautifully shaped, gracefully frilled and crested flowers, borne above the foliage on long and erect stems. An exceedingly fine strain. RED, ROSE, WHITE, YELLOW and SALMON. 15c. each, \$1.50 per doz.

MONTBRETIAS (Ready in April)

Hardy, summer-flowering, bulbous plants that are becoming more popular every year. They should be planted in groups and left undisturbed. Ordinary garden soil and a sunny position suit them.

Bouquet Parfait. Large, bright vermilion flowers, with deep yellow centers.....	Each \$0 05	Doz. \$0 40	100 \$2 00
Crocsmiaeflora. Large, bright orange, tinted scarlet.....	05	40	2 00
Eldorado. Large golden yellow flowers. Dwarf; free bloomer...	05	40	2 00
Etoile de Feu. Bright vermilion, with deep yellow center; large flowers.....	05	40	2 00
Elegans. Bright yellow outside, streaked with vermilion; fine...	Each \$0 05	Doz. \$0 40	100 \$2 00
Golden Sheaf. Bright yellow....	05	40	2 00
Pottsii. Orange and scarlet; very free-flowering.....	05	40	2 00
Soleil Couchant (Sunset). Golden yellow.....	05	40	2 00
Sunbeam. Rich yellow, spotted brown; large flowers.....	05	40	2 00

MISCELLANEOUS BULBS AND ROOTS

AMORPHOPHALLUS Rivieri.

A species of Arum with ornamental leaves; flowers without soil or water.....

Each	Doz.	100
\$0 75	\$7 50	

ANEMONE, Blue, Incomparable.

Double.....	06	50	\$3 00
Blue, Double Mixed.....	05	40	2 50
“ Single. Light colors.....	05	35	2 00
Scarlet, Feu Superbe. Double..	07	60	3 50
“ Single Mixed.....	05	35	2 00
“ Double Mixed.....	07	60	3 50
Rose, Leverrier. Double.....	06	50	3 00
Striped, Thalia. Double.....	06	50	3 00
Double. All colors mixed.....	05	30	1 50
Single. All colors mixed.....			
2 for 5 cts...	20	1	25

ANOMATHECA cruenta. Crim- Each
son flowers; dwarf habit;
fine for window garden....
2 for 5c... \$0 20 \$1 25

ANTHOLYZA, Mixed. Like

Gladioli. Take up in fall ..\$0 12 1 25 7 50

ARUM Dracunculus..... 20 2 00

Cornutum (Red Calla)..... 25 2 50

crinitum 45 4 50

maculatum..... 12 1 25

Palæstinum sanctum (Black

Calla)..... 20 2 00

CALADIUM esculentum..... 20 2 00

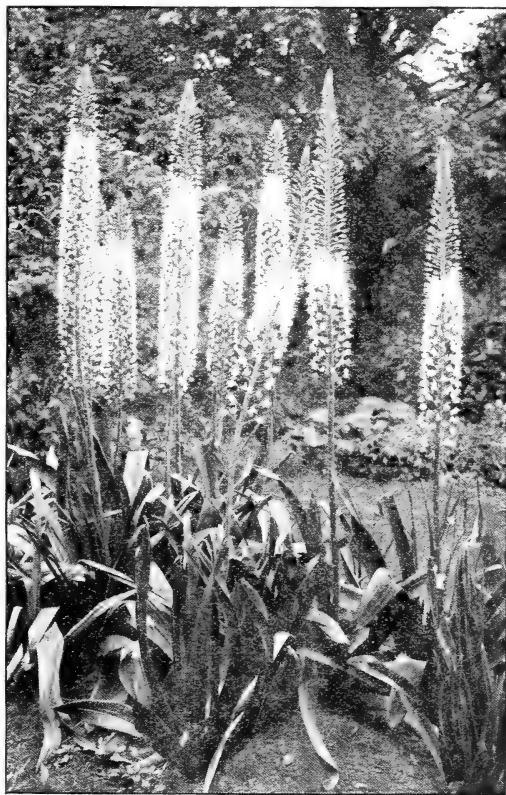
CALLA Elliottiana, Yellow Spot-

ted Leaf. Dark green leaves,
spotted silvery white..... 40 4 00

MISCELLANEOUS BULBS AND ROOTS, continued

	Each	Doz.	100
CINNAMON-VINE. Roots.....	\$0 06	\$0 50	\$3 00
CLEMATIS <i>coccinea</i> . A hardy herbaceous perennial climber; flowers rich scarlet.....	20	2 00	12 00
DICENTRA <i>spectabilis</i> (Bleeding Heart). Hardy perennial; also forcer.....	20	1 75	10 00
EREMURUS <i>himalaicus</i> . White..	80		
robustus. Rose.....	80		
GLOXINIA, Red.....	12	1 00	6 50
Spotted.....	12	1 00	6 50
White.....	12	1 00	6 50
Blue.....	12	1 00	6 00
Mixed.....	10	90	6 00
HEMANTHUS <i>albiflos</i> . White. 1 00			
coccineus. Scarlet; for pots.. 2 25			
punicus. Orange-red; for pots 2 25			
HELEBORUS <i>niger</i> major (Christmas Rose). Hardy; valuable forcer.....	45	4 50	
HEMEROCALLIS, Apricot. Distinct, rich apricot.....	20	2 00	
flava. Clear yellow.....	10	1 00	
fulva. Coppery orange, shaded crimson.....	10	1 00	
Kwanso fl. pl. Coppery orange; double.....	12	1 25	
Sieboldii. Reddish orange....	12	1 25	
HYACINTHUS <i>candicans</i>	10	75	4 50
LACHENALIA <i>Luteola</i> . Rich yellow, flushed green.....	30	3 00	
Nelsoni. Rich golden yellow; fine.....	40	4 00	
Pendula. Rich, red flowers, tipped black. Large and showy.....	30	3 00	
Quadricolor. Bright green, red and yellow flowers.....	45	4 50	
Tricolor. Red, yellow and green.....	45	4 50	
MADEIRA VINE. Roots.....	08	75	
NERINE <i>crispa</i> . Scarlet.....	1 00		
flexuosa. Bright crimson, tinged orange.....	1 60		
Fothergilli <i>major</i> . Intense shining scarlet.....	1 60		
Sarniensis (True Guernsey Lily). Brilliant crimson....	60		
undulata. Rosy purple, wavy flowers.....	80		
PANCRATIUM <i>africana</i>	30	3 00	
calathinum (Basket Flower). 20 2 00			
maritimum (Sea Daffodil)....	20	2 00	
undulatum. White.....	20	2 00	
SPIRÆA <i>japonica</i> . Pure white flowers.....	15	1 50	
japonica <i>compacta</i> <i>multiflora</i> . Neat and compact Pure white flowers.....	20	2 00	
astilboides <i>floribunda</i> . Very large, pure white plumes. Neat habit; abundant bloomer.....	20	2 00	
Gladstone. Snow-white plumes; long stems; fragrant. Fine forcer.....	25	2 50	

Spiræa, Queen Alexandra, Pink. Each Doz. 100			
A pink variety, in habit similar to Gladstone but flowering three weeks later. Beautiful.....	\$0 30	\$3 00	
Washington. Extra-large flowers; fine forcer.....	20	2 00	
TRITOMA <i>Pfitzeri</i> . Large spikes of intense flame-colored flowers. Plant in spring....	20	1 75	\$11 00
MacOwani. Dwarf variety; bright orange-red.....	20	1 75	11 00
uvaria <i>grandiflora</i> (Red-Hot Poker Plant). Half-hardy...	15	1 50	9 00
TROLLIUS <i>Caucasicus</i> . Golden yellow.....	25	2 50	
Europæus. Yellow.....	20	2 00	
giganteus. Yellow.....	25	2 50	
TUBEROSES, Dwarf Double...	06	40	2 00
Albino. Pure white; single...	08	50	3 00
Variegated Leaf.....	08	50	3 00
WATSONIA <i>ardernei</i> (O'Brieni) Large, beautiful, snow-white gladiolus-like blooms over 3 inches in diameter. Fine forcer or for planting outdoors in spring.....	30	3 00	
ZEPHYRANTHUS <i>candida</i> . White, greenish base.....	10	1 00	6 00
atamasco. Pure white.....	08	80	5 00



EREMURUS

Insecticides and Remedies for Plant Diseases

If wanted by mail, add 16 cts. per lb. to cover postage

Ant Destroyer. Tucker's Magnet. 5-lb. boxes only, 50 cts. per lb.

Antipest. A sure destroyer of all insect pests. Qt. 60 cts., $\frac{1}{2}$ -gal. can \$1, gal. can \$2.

Aphine. Has no equal for the destruction of green, black, or white fly, thrips, red spider, mealy bug, etc. Used one part to forty of water. Does not injure the most tender plants. $\frac{1}{4}$ pt. 25 cts., 1 pt. 65 cts., qt. \$1, gal. \$2.50.

Arsenate of Lead. Adheres well to the foliage and does not readily wash off by rain. It remains well suspended in solution ensuring even distribution. It is white in color and shows just where it has been applied. It does not injure tender foliage. Lb. 20 cts., 5 lbs. 95 cts., 10 lbs. \$1.80, 20 lbs. \$3.60, 100 lbs. \$17.

Bordeaux Mixture, or Fungiroid. For all fungous diseases. Dry, 1-lb. box 20 cts., 5 lbs. and over at 18 cts. per lb., 50 lbs. \$7, liquid, qt. 40 cts., gal. \$1.25, 5 gals. \$5.

Bug Death. This is a fungicide, insecticide, and plant food combined and contains neither Paris Green nor Arsenic. 1-lb. pkg. 15 cts., 3-lb. pkg. 35 cts., 5-lb. pkg. 50 cts., 12 $\frac{1}{2}$ -lb. pkg. \$1, 100-lb. pkg. \$7.50.

Copper Solution, Ammoniated. Prevents black and brown rot; mildew and other grape diseases; pear and apple scab, leaf blight, tomato rot, potato blight, melon blight, etc. Dilute 1 part to 100 parts of water; spray lightly. Qt. 50 cts., gal. \$1.50.

Cut Worm Food. A positive exterminator of cut worms. Directions on package. 1 lb. 25 cts., 5 lbs. \$1, 10 lbs. \$1.50, 25 lbs. \$3.50.

Dalmatian Insect Powder. Effective against almost all kinds of insects. $\frac{1}{2}$ -lb. box, 30 cts., 1-lb. box 50 cts.

Fir-Tree Oil. Dilute 1 pint to 20 gallons water. Apply with vaporizer or syringe. $\frac{1}{2}$ pt. 40 cts., pt. 75 cts., qt. \$1.25, $\frac{1}{2}$ gal. \$2.25, gal. \$4.

Fir-Tree Oil Soap. Mix at the rate of 1 ounce to a gallon of water, and apply with a bellows or syringe. $\frac{1}{2}$ -lb. tin, 25 cts., 2-lb. tin, 75 cts.

Grape Dust, Hammond's. For the prevention of mildew on roses, grapes, gooseberries, etc. Apply with bellows. 5-lb. pkg. 35 cts., 10-lb. pkg. 60 cts., 100 lbs. \$5.

Hellebore. Apply dry or mix in water—1 oz. to 3 gals. 2-lb. box 35 cts., 1-lb. box 20 cts.

Kerosene Emulsion. For cabbage worms, scale on trees, caterpillars, melon louse, rose bugs, green fly, etc. Dilute 25 to 50 parts. Qt. 40 cts., gal. \$1.

Lemon Oil. For destroying scale, caterpillar, mealy bug, etc. Directions on can. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 75 cts., gal. \$2.

Nico-Fume Liquid. For fumigating or spraying. Effective against green fly, mealy bug, etc. Does not stain or injure blooms, and leaves no disagreeable odor. For spraying, 1 to 2 teaspoonfuls to a gallon of water. $\frac{1}{4}$ pt. 50 cts., pt. \$1.50, $\frac{1}{2}$ gal. \$5.50, gal. \$10.50. Lamps, 50 cts. each.

"Nico-fume" Tobacco Paper. For fumigating. Does not injure blooms. In tins, 24 sheets, 75 cts., 144 sheets, \$3.50, 288 sheets, \$6.50.

Nicotice. For fumigating or spraying. Effective against greenfly, mealy bug, etc. Does not dam-

Nicotice, continued

age foliage or flowers. Sold in cans as follows: No. 1, 1 pt., sufficient for 32,000 cubic feet of space, \$2.50 each; No. 2, $\frac{1}{2}$ pt. sufficient for 16,000 cubic feet of space, \$1.25; No. 3, 4 ozs., sufficient for 8,000 cubic feet of space, 70 cts. Gals., \$15 each, $\frac{1}{2}$ gals. \$8.25 each, qts., \$4.50 each. Fumigators, 50 cts.

Paris Green. Mix at the rate of 1 lb. to 200 gals. of water. Effective against all chewing insects. 1-lb. can 35 cts., $\frac{1}{2}$ -lb. can 20 cts., $\frac{1}{4}$ -lb. can 12 cts. Fluctuates in price.

Slug-shot (Hammond's). Excellent for destroying cabbage, turnip and beet fly, potato bugs, currant worms, etc. 5-lb. pkg. 30 cts., 10-lb. pkg. 50 cts., 100-lb. pkg. \$4.50.

Sulpho-Tobacco Soap. Dissolve in proportion of 2 ounces to a gallon of water, and apply with a syringe or atomizer. It will destroy rose slugs, aphides, greenfly, bark-lice, etc. 3-oz. box, 10 cts., 8-oz. box, 20 cts., 10-lb. box, \$3.

Sulphur, Powdered. Valuable for protecting against mildew on grapes, roses, etc. Lb. 10 cts., 10 lbs. 60 cts., 100 lbs. \$4.

TOBACCO DUST—

Ordinary Kind. For dusting. Lb. 10 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 100 lbs. \$2.75.

Stoothoff's "Black Stuff." For dusting. 50 lbs. \$2.25, 100 lbs. \$4.

Stoothoff's "Fumigating Kind." For burning. 50 lbs. \$2.25, 100 lbs. \$4.

Tobacco Stems. For fumigating. Bale of about 100 lbs. \$1.50; 200 lbs. \$2.75, 400 lbs. \$4.50.

Tree Tanglefoot. A sticky substance applied directly to the bark. To protect trees against climbing insect pests. One application remains sticky, fully exposed to weather, three months. One pound will make a band 7 to 8 feet long. 1-lb. can 30 cts., 3 lbs. 85 cts., 10 lbs. \$2.65, 20 lbs. \$4.80.

Weed Killer, Sterlingworth. Destroys weeds, briars, thistles, poison ivy, etc. 1 gal. covers 3 to 4 square yards. Directions on package. 1-lb. pkg. making 15 gals., covering 45 to 60 square yards, 50 cts., 3-lb. pkg. making 45 gals., covering 130 to 180 square yards, \$1.25, 5-lb. pkg. making 100 gals., covering 300 to 400 square yards, \$2.

Fish Oil Soap (formerly called Whale Oil Soap). For washing trees and destroying all insects on the bark. 1-lb. box. 15 cts., 5 lbs. 50 cts., 10 lbs. 90 cts., 100 lbs. \$7.

Worm Eradicator, "Radix." 1 lb. makes 30 gals., directions on can. Lb. 50 cts.

Worm Eradicator. Tucker's Magnet. See prices, etc., on page 47.

X. L. All Liquid Insecticide. For spraying. Purely nicotine; harmless to very delicate plants; kills mealy bugs, red spider and all insect pests. Pt. 65 cts., qt. \$1, $\frac{1}{2}$ gal. \$1.75, gal. \$3.50.

FOR SAN JOSE SCALE—

California Wash (Lime-sulphur solution). One gallon makes 15 by adding water. Qt. 40 cts., gal. \$1, 5 gals. \$3.50, 50 cts. gal. in bbl. lots.

Scalecide. Petroleum oil that mixes at once with cold water and stays mixed. No hot water necessary. Add 1 gallon for every 15 to 20 gallons of water. Qt. 40 cts., gal. \$1, 5 gals. \$3.25.

High-Grade Fertilizers

ALL NET CASH

Thorburn's Complete Manure

Guaranteed to contain ammonia, 3 to 4 per cent; available phosphoric acid, 6 to 8 per cent; actual potash, 6 to 7 per cent; sulphate of magnesia, soda, lime, sulphuric acid, etc. Adapted for use on all crops, such as corn, tomatoes, potatoes, peas, beans and early vegetables and is especially suited for grain crops. Use 1,200 to 1,500 pounds to the acre.

In 167-lb. bags, per ton.....	\$40 00
Single bags of 167 lbs.....	4 00
Per bag of 100 lbs.....	2 75
50 lbs.....	1 65
25 lbs.....	1 00
10 lbs.....	50

Thorburn's Lawn Fertilizer

Guaranteed to contain ammonia, 6 to 7 per cent; available phosphoric acid, all soluble, 8 to 10 per cent; actual potash, 5 to 6 per cent; lime, sulphate of magnesia, soda, sulphuric acid, etc. Specially prepared for lawns and meadows as a top-dressing, imparting to grass a rich green color and vigorous growth. Apply broadcast at rate of 1,000 to 1,500 pounds to the acre.

In 167-lb. bags, per ton.....	\$50 00
Single bag of 167 lbs.....	5 00
Per bag of 100 lbs.....	3 25
50 lbs.....	2 00
25 lbs.....	1 25
10 lbs.....	75

Acme No. 1 Potato Manure

Guaranteed to contain ammonia, 4 per cent; available phosphoric acid, 6 per cent; actual potash, 10 per cent; sulphate of magnesia, soda, lime, sulphuric acid, etc. This manure is for special use on the potato crop, and is also adapted for sweet potatoes, vines and fruit trees, and all leguminous plants. Use broadcast, about 1,500 lbs. to the acre.

In 167-lb. bags, per ton.....	\$44 00
Single bags of 167 lbs.....	4 50
Per bag of 100 lbs.....	3 15
50 lbs.....	1 75
25 lbs.....	1 00
10 lbs.....	50

Clay's Celebrated Fertilizer

One of the best manures for all horticultural purposes, either in greenhouse or garden. Splendid for mixing with potting soil and as a top-dressing. Notwithstanding its apparently high price, it is quite economical.

PRICES IN BAGS

1 cwt. (112 lbs.).....	\$7 00
½ cwt. (56 lbs.).....	4 00
¼ cwt. (28 lbs.).....	2 25
⅛ cwt. (14 lbs.).....	1 25

Agricultural Salt

For asparagus beds, etc., in bags of about 200 lbs., \$1.25 per bag; about \$10 per ton. Not less than one bag sold.

Thompson's Vine Manure

Unrivalled for vines, tomatoes, cucumbers, fruit trees and all foliage, flowering and fruit-bearing plants, also for vegetables and outdoor plants of every description. Splendid for lawns, tennis courts, putting greens, etc. The result of many years' practical experience. Per cwt. (112 lbs.), \$7; ½cwt. (56 lbs.), \$4.

Bowker's Ammoniated Food for Flowers

The best dressing for potted plants. Excellent for use on house plants, being entirely odorless. Small pkg., 15 cts. each, by mail., 25 cts. Large pkg., 25 cts. each, by mail, 45 cts.

Canada Hard-Wood Ashes

Highest grade, extra-screened, unleached. For top-dressing lawns, especially if the soil is inclined to be stiff or sour, there is nothing better. 1½ to 2 tons to the acre. Price, in bags of 100 lbs. \$1.50; ton, \$22.

Bonora

A fertilizer and plant-food.

¼-lb. package.....	\$0 25
1-lb. package.....	50
5-lb. package.....	2 50

Pulverized Sheep Manure

A rich, pure, natural manure. Excellent as a top-dressing for lawns. Its effect is immediate and lasting. There is nothing better for mixing with the soil for greenhouse plants—one part manure to six parts soil. It is recommended for the vegetable garden, promoting a steady and rapid growth. It makes a rich and safe liquid manure—1 pound to 5 gallons of water.

5-lb. package.....	\$0 30
10 lbs.....	50
25 lbs.....	80
50 lbs.....	1 25
100 lbs.....	2 00
200 lbs.....	3 75
Ton.....	33 00

500 lbs and up at ton rate.

Bone Fertilizers

Prices subject to change

Pure Ground Bone Meal, No. 1. Finely pulverized; excellent for rose-culture. It decomposes very rapidly, and is more quickly effective than the coarser grades. It is excellent for mixing with the soil for potting. 5 lbs., 25 cts.; 10 lbs., 40 cts.; 25 lbs., 75 cts.; 50 lbs., \$1.25; 100 lbs., \$2.25; ton, \$33.

Ground Bone, No. 2. Coarser than the above, suitable for general purposes, for top dressing for lawns, and for garden and field crops. 100-lb. bag, \$2.50; ton \$38.

Ground Bone, No. 3. A little coarser than No. 2. 100 lbs., \$2.75; ton, \$40.

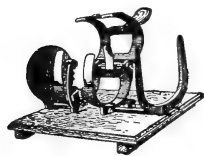
OTHER FERTILIZERS

PRICES FLUCTUATE

Acid Phosphate.....	per 100 lb. bag, \$1.50; 200-lb. bag, \$2.50; per ton, \$20
Tankage (Blood and Bone Fertilizer).....	per 100-lb. bag, \$3; per 200-lb. bag, \$5.50; per ton, \$40
Imported Scotch Soot.....	Bags of about 112 lbs., per bag, \$3.50
Nitrate of Soda.....	5-lb. pkg., 30 cts.; 10-lb. pkg. 50 cts.; 25 lbs., \$1.25; 50-lb. bag, \$2; 100 lbs., \$3.75
Muriate of Potash.....	5-lb. pkg., 30 cts.; 10 lbs., 50 cts.; 25 lbs., \$1.25; 50 lbs., \$2; 100 lbs., \$3.50

Horticultural Implements and Garden Requisites

ALL NET CASH



Asparagus Buncher, A c m e.
\$2.50.

Asparagus Knife, English. (Saw blade.) \$1.25.



Asparagus knife Granite State. 50 cts.
Bel lows, Woodason's Double Cone Powder. \$3.



Single Cone. Large.
\$2.



Small.
\$1.25.



Atomizer.
Large. \$2.
Small. \$1.50.

Bill and Brush Hooks. For heavy pruning.—

English. S handle. \$2.75.

American. Long handle. \$1.

Dibbles. All Iron. 35c.

Wood Handle. Brass

point. 65 cts.

Iron point. 40 cts.

Extension Pole Grips. 25 cts.

FORKS, Digging or Spading. Best quality spear point, dia- Each
mond-back tine. Strap-
ped handle. Long or
D-handle. 4-tine. \$1 00
5-tine. 1 25

Hay, or Stable. First qual-

ity oval tines. Extra-

long strapped handle.

2-tine. 50

3-tine. 65

4-tine. 85

Manure, Long- or Short-

handled. Strapped

handle, 4-tine. 1 00

5-tine. 1 25

Extra-heavy diamond-

tine, 4-tine. 1 35

5-tine. 1 85

Fruit Pickers. Handy Andy. A

simple device of two wire jaws

bound in the form of a square

cage with burlap. The jaws

open and close with a spring on

the end of the pole. A cloth

tube is affixed to the pole, the

end of which can be held in a

box or barrel or other recep-

table to catch the fruit as it

runs down the tube. \$2.25.

Fruit Picker, Perfect.

Galvanized steel wire;
attaches to pole of any
length. Price, without
pole, 50 cts.

**Fumigating Lamp, "De-
fiance."** For all va-
porizing liquids. No
glass. Burns kerosene.
60 cts.



**Fumigator, "Eure-
ka."** For fumi-
gating with to-
bacco stems.

No. 1 holds 1/2 pk. \$1.50.

No. 2 holds 1 pk. \$2.

No. 3 holds 1 1/2 bus.

\$2.50.

**Garden Lines, Finest
Braided.** 100 feet, 50c.

**Garden
Reels.**

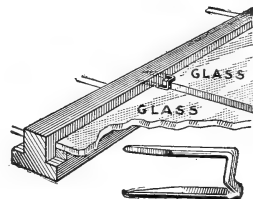
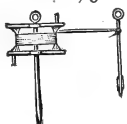
For above; of

wrought-iron.

Holds 100 ft.

60 cts.

Large Size. \$1.



Glazing Points, The Tiger. 50 cts.
per 1,000.

Galvanized Staples. Lb. box. 30c.

Pincers. For above. 50 cts.

Glazing Putty, Twemlow's Old

English. Can be used with ma-

chine or bulb. \$1.75 per gal.

5- and 10-gal. buck-

ets at \$1.60 per gal.

Mastica. For glazing.

Qt. 40c., gal. \$1.35.

**Mastica Glazing Ma-
chine.** \$1.25.

Glazing Putty Bulbs

(Scolly's). \$1; by mail, \$1.10

Glass Cut-

ter, "Red

Devil." A

handy little tool. 10 cts. each,

75 cts. per doz.

Gloves, Gardener's, Goatskin. \$1.

Canvas. 25 cts.

Grafting Wax. The best grade.

1/4 lb. pkg. 10 cts., 1/2 lb. pkg.

15 cts., lb. pkg. 25 cts.

Grass Edging Knives,

English. \$1.75 to

\$2.25.

Handle 10 cts. extra.

American. With

handle. 50 cts.



**Grass Hook, or Corn
Knife, Crescent.**

Adjustable. 40c., by mail, 55c.

Grass Hooks, English Riveted

Back. Thin, sharp blades,

strengthened by a riveted

back; light and rapidly

handled. Small size. 50 cts.

Medium size. 55 cts.

Large size. 60 cts.

Trowel Shank Grass Hook.

The handle is raised from the

blade, making it possible to cut

close without bruising the

knuckles. 50 cts.

Hotbed Sash. Best quality.

Packing at cost.

Unglazed. 3 x 6 ft. \$1.20 each,

\$13 per doz.

Glazed and Painted. 3 x 6 ft.

10 x 12 glass. \$3.50 each, \$38

per doz.

Glazed and Painted. 3 x 6 ft.

10 x 12 double glass. \$4.75

each, \$54 per doz.

Hotbed Mats for Covering Sashes.



Made of
jute,
stitched
through;
hemmed
with can-
vas and

thickly padded; size, 76 inches

by 76 inches; one mat covers

two sashes.

No. 1 Both sides jute. \$1.50

each, \$16 per doz.

No. 2. One side jute, the other

side water-proof duck. \$2

each, \$22 per doz.

HOES, Draw, or Corn. 45c. to 50c.

English

Scuffle.

Handle,

10c. extra.



Each

5-in. \$0 55

6-in. 60

7-in. 65

8-in. 70

9-in. 75

10-in. 80

12-in. 90

Grub. 85c. to 1 50

Triangular, English

Handle 10c. extra.

Warren. Solid steel

socket used in

drilling seed.

65c., 75c. 85

HOSE, Rubber. 3/4-inch.—

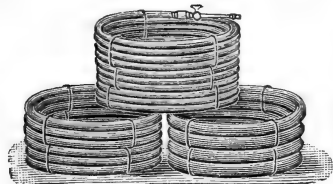
Electric. Electric Hose can be

cut in any length. 20 cts. per

ft. For less than 25 feet, add

15 cts. for couplings.

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued



Hose, Rubber. $\frac{3}{4}$ -inch. —
Thorburn Standard. 5-ply, 11c.
 per ft.

X. 6-ply, 14 cts. per ft.

XX. 7-ply, 16 cts. per ft.

XXX. Best red, 7-ply, 18 cts.
 per ft.

Our hose is carefully selected,
 made of first-class material, and
 coupled at both ends, in 25- or
 50-ft. lengths.

Hose End, No. 1. For con- Each
 necting hose with ordinary
 faucets.....\$0 50

Siamese Couplers. With
 these several sprinklers
 can be used at the same
 time. $\frac{3}{4}$ -in..... 60
 1-in..... 75
 By mail, 10 cts. extra.

Hose Couplings.—
 $\frac{1}{2}$ -in..... 20
 $\frac{3}{4}$ -in..... 25
 1-in..... 40

Hose Nozzle, "Bordeaux."
 For $\frac{1}{4}$ -in. pipe or $\frac{1}{2}$ -in.
 hose..... 80

Graduating Spray Nozzle.
 Will throw coarse or fine
 spray, or solid stream.
 $\frac{3}{4}$ -in... by mail, 45c... 40

Power Spray Nozzle..... 1 25



**Shower
 Spray Noz-
 zle.** A per-
 fect spray
 nozzle
 made of
 brass; non-
 corrosive—will not clog.

No. 1 Fine for spraying Each
 trees, etc. Standard
 $\frac{1}{4}$ -in. pipe thread\$1 25

No. 2 For light garden
 work, whitewashing,
 washing carriages, auto-
 mobiles, etc. Standard
 $\frac{1}{4}$ -in. pipe thread 1 25

Vermorel Nozzle...... 85

**Hose Bands, for hose coup-
 lings.** Per doz.

To fit $\frac{1}{2}$ -in. hose.....\$0 50

To fit $\frac{3}{4}$ -in. hose..... 60

To fit 1-in. hose..... 80

Hose Menders, Cooper's.

Brass; will not rust or
 wear. No fastening re-
 quired. Each

For hose with $\frac{3}{4}$ -in. bore.\$0 07

Per doz., 75c.

For hose with 1-in. bore... 08

Per doz., 85c.

Hose Reels—

Tubular Iron. Never break or
 wear out. No. 10 will hold

100 ft., $\frac{3}{4}$ -

in. hose. \$3.

No. 20 will

hold 150 ft.,

$\frac{3}{4}$ -in. hose.

\$3.50.

No. 30 will

hold 500 ft.,

$\frac{3}{4}$ -in. hose.

\$5.

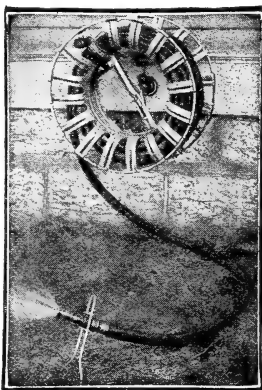
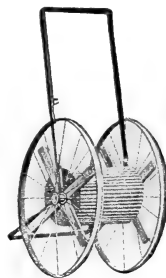
The Carding-

ton. A per-

fect hose

reel, will

hold 100 ft., $\frac{3}{4}$ -in. hose. \$2.



The "Detachable" Hose Reel.

A special faucet is furnished
 with each reel, which forms a
 hollow axle upon which the
 reel revolves. The reel, with
 hose attached, can be detached
 when not in use. The water
 can be turned on and as much
 or as little of the hose unreels
 as desired, while the water is
 running. 20 in. in diameter, $8\frac{1}{2}$
 in. wide, holds 100 ft. $\frac{3}{4}$ -in.
 hose. \$5. Extra faucets, \$1.25.

**Knives, Saynor's Celebrated Eng-
 lish. Best make.**



No. 938 No. 196 No. 187 No. 312 No. 80
 \$1.75 \$2.25 \$1.50 \$1.50 85c.



No. 400, \$1.50 No. 401, \$1.50

Saynor's No. 343, Budding.

2 blades. \$1.75.

Saynor's No. 403, Budding.

Long-handled. \$1.75.

Labels, Wooden, Pot and Garden.

	PLAIN—		PAINTED—	
	100	1,000	100	1,000
4-in..\$0	15	\$0 70	\$0 15	\$0 90
4½-in.	15	80	20	1 00
5-in...	20	90	25	1 10
6-in...	25	1 00	30	1 35
8-in...	45	3 50	50	4 00
12-in...	75	6 00	85	7 00
24-in..	2	50		

Wooden Notched Tree—

3½-in. 10 70 15 90

6-in... 25 2 25 30 2 75

3½-in.

cop. wire 20 1 20 25 1 50

Tree, Waterproof Flexible.

Copper-wired.

In boxes of 100

only, \$1.50 per

box.

Label Pencils,

Black. 5 cts.

Mole Traps, Olm-

sted's Im-

proved. A

short trap, suit-

able for lawns

or coldframes.

\$1.50.

The Reddick

Mole Trap. A

powerful trap

used princi-

pally on lawns.

Easily set.

Made of gal-

vanized iron.

\$1 each, \$9.50

per doz.

Little Giant Mole

Trap. A small

trap made of galvanized iron.

Will not get out of order; self-

setting. 75 cts.

Moss, Sphagnum. Per bale, about

50 lbs., \$2.50.

Oil Cans. Brass bottom. 45 cts.

Peat, Rotted. Per bbl., about 140

lbs., \$2.

Orchid. Per bbl., about 50 lbs., \$2.

Plant Duster, Dickey's..... 25

Norton's...... 85

PLANT STAKES, Round, Painted

Green—

2 feet.....\$0 50 \$3 00

3 feet..... 75 4 50

4 feet..... 1 00 6 50

5 feet, extra heavy 1 40 9 00

6 feet, extra heavy 1 85 11 00

Heavy, Square, Tapering,

Painted Green— Doz. 100

2 feet.....\$0 40 \$2 25

3 feet..... 55 4 00

4 feet..... 75 5 50

5 feet..... 1 00 7 00

6 feet..... 1 25 8 00

Dahlia Poles—Painted Green,

White Tops.— Doz. 100

2 feet.....\$0 75 \$4 50

3 feet..... 1 00 6 50

4 feet..... 1 25 9 00

5 feet..... 1 50 11 50

6 feet..... 1 75 13 50

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

Plant Stakes, Galvanized Wire,
for Roses, etc.—

	Doz.	100
2 feet.....	\$0 30	\$2 00
3 feet.....	40	2 50
4 feet.....	50	3 00
5 feet.....	60	3 50

Japanese Bamboo. Bundles of
100 only. 6 ft., \$1; 8 ft., \$1.25.

PRUNERS, Waters' Long-handled

Tree—

	Each
4 feet.....	\$0 75
6 feet.....	80
8 feet.....	1 00
10 feet.....	1 10
Extra Blades.....	25

Little Giant Pruner and Saw,
combined. \$1.50.

Plain "One-Edge" Pruning

Saw. Narrow blade, gets among close branches; upper edge smooth, does not cut the upper limb.

	Each
16-in.....	\$0 70
18-in.....	80
20-in.....	90



Adjustable Blade Pruning Saw.

Can be adjusted and used at any angle; cuts cleanly and rapidly; light and strong. \$1.

Lightning Double Edge

	Each
Pruning Saw. 16-in....	\$0 70
18-in.....	80
20-in.....	90



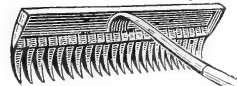
Raffia, for tying. Per lb. 20 cts., 5 lbs. 90 cts., 10 lbs. \$1.75.

RAKES, "Automatic Lawn."

26 teeth,	
90 cts.	
38 teeth,	
\$1.15.	



English, or Daisy. 16 teeth,	\$3.
18 teeth,	\$3.25.
20 teeth,	\$3.50.



Fine-Tooth Steel Gravel Rakes—

	Each
16 teeth.....	\$0 75
18 teeth.....	80

Hay, 3-bow (Wood)..... 35

The "Lawn King." Teeth very close. Will not tear sod. 26-teeth size..... 45
38-teeth size..... 60

Steel Garden Rake.—

	Each
10 teeth.. \$0 50	14 teeth.. 60
12 teeth.. 55	16 teeth.. 65
	18 teeth.. 70

Wire Lawn Rakes. Will not scratch the lawn. With handle..... 50

Wooden. For lawns..... 40



Cahoon Seeder. \$3.75.

Scythes—

English Lawn, Riveted Back.

Light and thin, broad blades
32-in., \$1.50; 34-in., \$1.60;
36-in., \$1.75; 38-in., \$1.85.

Scythe Snath, or Handle, Each

Patent Loop Heel..... \$1 00

Scythe Stones—

Round Dressed Talacre.

doz. \$1.75.. 25

Norton's Emery..... 10

SHEARS,

Pruning.

English Watch Spring.... 1 50



Perfection

Pruning.

	Each
No. 1, 6½ inches.....	\$1 75
No. 2, 7½ inches.....	2 00
No. 3, 8½ inches.....	2 50
No. 4, 9½ inches.....	3 00

Wiss' Solid Steel Pruning. The

best

Amer-

ican

shear.

Detachable blades. Each

9-in..... \$2 25

10-in..... 2 50

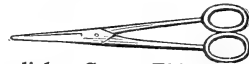


Flower-Gathering Scissors.

Combined flower cutter,

holder and wire cutter.

Spring pattern..... 1 00



English Grape-Thinning

Scissors. 6-in..... 90

7-in..... 1 25

8-in..... 1 50



English

Flower-

gathering

Scissors. Will cut and

hold the flower. Each

6-in..... \$1 25

8-in..... 1 50

English

Hedge

Shears.

Saynor. Plain Notch

8-in..... \$2 25 \$2 50

9-in..... 2 50 2 75

10-in..... 2 75 3 00

Regulation. 8-in... 1 00 1 25

9-in..... 1 25 1 50

10-in..... 1 50 1 75

Seed Sowers,

Little

Giant. A

perfect

broad-

cast

seeder.

\$1.50.



Border Shears, Eng-

lish. For trimming

the grass around the

edge of paths and

borders. Handles

3 ft. long. 8-in.,

\$2.25; 9-in., \$2.50;

10-in., \$3.

"Trowel Shank"

Grass Shears,

American, full

polished, excellent

steel. \$1.



Thorburn's New Grass Shear.

This is the most practical grass

shear manufactured. It can

be taken apart to sharpen;

best English steel. 7-in.,

\$1.65, by mail \$1.75.



American Lopping Shears. For

lopping off limbs and branches

of trees not over 1¼-in. diam-

eter. 2-ft. handles, \$1; 3-ft.

handles, \$1.25.



Spades—

Square-Point Spade

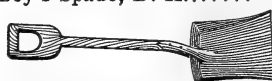
No. 2. Regulation long Each

or D handle..... \$0 90

Ames No. 2. Long or D

handle..... 1 25

Boy's Spade, D. H..... 85



Shovel, Square Point.—

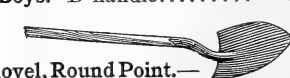
No. 2. Regulation Long

or D handle..... 90

Ames No. 2. Long or D

handle..... 1 25

Boys. D handle..... 85



Shovel, Round Point.—

Regulation long or D

handle..... 90

Ames. Long or D handle. 1 25



Vegetable Scoop, Wire. The

best shovel for handling

potatoes, apples, etc.

Will not cut; dirt sifts

out. Light weight..... 1 50

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued



Sprinklers.—
Rubber Plant
Sprinklers.
 With large
 opening in
 neck; fills



quickly; made of best white
 rubber.
Straightneck. 6 oz.....\$0 50
 10 oz..... 90
Angleneck. 6 oz..... 60
 10 oz..... 1 00
 By mail, 10 cts. extra.



Peck's Improved Lawn
Sprinkler. Stands 4 ft.
 high and distributes
 water over an area from
 60 to 100 feet. 4-arm.. 3 00
 8-arm..... 3 50

The "New Comet." An
 adjustable revolving
 sprinkler. Will sprinkle
 from 5 to 30 feet. Easily
 moved. Weight 4½ lbs. 3 50



"Twin Comet."
 A lawn sprinkler
 in two
 parts—one
 slow and three
 fast revolving
 arms, distribut-
 ing the water
 over an area
 from 60 to 80
 feet. \$5.



Water Witch.
 No. 3. 50 cts.
 No. 4. \$1.25.



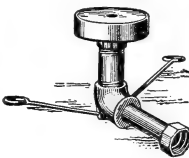
Ring Sprinkler.
 Has no revol-
 ving parts to
 get out of
 order. Price
 75c.; by
 mail, 85c.

W. W.
 No. 3



ners. Will cover an area 30
 feet in diameter. \$1.25.

Hotchkiss Lawn
Sprinkler No.
65. This combi-
 nation sprink-
 ler and fountain
 is beautiful as
 well as useful.
 Brass and nick-
 el-plated, with
 malleable iron
 runners. Will cover an area 40
 feet in diameter. \$1.75.



Shower
Sprinkler.
 Mounted
 on holder
 for sprink-
 ling lawns
 —or can be
 attached

directly to garden hose for
 washing sidewalks, etc. Cannot
 clog or get out of order; will not
 rust. Standard ¾-in. hose con-
 nection. Holder
 and nozzle com-
 plete. \$2.



Supports, Carnation.
 Made of light wire,
 galvanized. 2-ring,
 75 cts. per doz.,
 \$5 per 100, \$40
 per 1,000; 3-ring,
 90 cts. per doz.,
 \$5.50 per 100, \$45
 per 1,000.

Supports, Tomato.
 Made of heavy
 wire, galvanized. 20 cts. each,
 \$1.50 per doz.

Supports, Wood
Tomato. 36
 in. high, 16 in.
 wide. Solidly
 made of clear,
 straight wood.
 Can be taken
 apart and
 stored when
 not in use.
 Will last for
 years. 25c. ea.,
 \$2.50 per doz.



SYRINGES. See page 137.

Trowels, Solid Steel. Cheap-
 est trowel in the long run;
 light, strong, durable and
 perfect "hang"; handle
 cannot come off. 5-in.
 blade, 40 cts.; 6-in., 50c.;
 7-in., 60 cts.

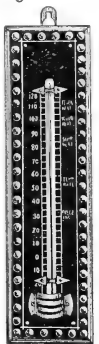
Trowels, Ordinary. 6-in., 20 cts.
Trowel, Transplanting. A perfect
 trowel for transplanting and put-
 ting in bulbs; solid steel. 6-in.,
 15 cts.; 10-in., 20 cts.

Thermometers—



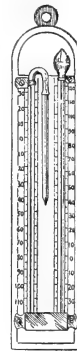
Oxidized Metal Scale,
Polished Back. A
 thermometer for house
 use, durable and well
 made. Will last a life-
 time. Tube magni-
 fies and is easy to read.
 8-inch size, 75 cts.; 10-
 inch size, \$1.00; 12-
 inch size, \$1.25.

Oxidized
Metal
Scale,
Carved
Back.
 Same as
 the preced-



ing, but with fancy
 border. 8-inch size,
 75 cts.; 10-inch
 size, \$1; 12-inch
 size, \$1.25.

Self-Registering,
Polished Back.
 For indoor use;
 will register ex-
 tremes of heat and



cold; made of hard
 wood. A magnet is
 used to draw back the
 indicating points. 10-
 in. size, \$2; 12-inch
 size, \$2.50.

**Self-Registering, Japan-
 ned Case.** The same
 as preceding,
 with tin case
 for outside
 use. Enamel-
 ed case and
 porcelain
 scale. 8-in.
 size, \$2.75; 10-
 inch size,
 12-inch size,



\$3.25;
 \$3.75

Japanned Tin
Case. A cheap
 thermometer
 for greenhouse
 use; all metal. 10-inch,
 25c. each, \$2.50 per doz.

Hotbed, New Style. Cop-
 per sheathed. Tip can be
 removed and cleaned. \$2.

Mercury Bath, or Hotbed.
 New. Quick-acting; all
 of metal. Can not rust
 or break. \$2.



Transplanting Trowel



Steel Trowel

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued



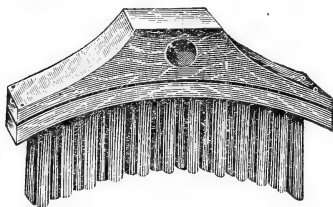
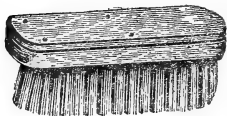
Hotbed and Mushroom-Bed Thermometers. Brass-tipped point encloses the temperature bulb; it is simply thrust into the soil or bed. Best grade (made of boxwood). \$1.25. Standard Grade (made of soft wood). \$1.00.

Torch, Asbestos. Very useful and simple. The only sure way to get rid of caterpillars' nests on trees.

Small size. 15 cts.

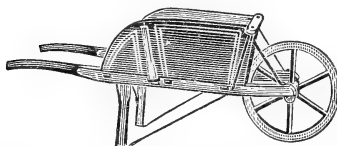
Large size. 25 cts.

Tree Brush. Small size; fine wire bristles; useful for brushing young trees. \$1.25.



Tree Brush, Wire. For older trees; can be used with long handle. Price, complete, \$2.00.

Tree Scraper. For scraping diseased bark from trees, removing insect eggs, etc. 50 cts.



Thorburn's Garden Wheelbarrow.

None better made. Iron braced and bolted. Finished in natural wood, red or green. Steel wheel if desired, 50 cts. extra.

No. 2, Small, \$2.50.

No. 4, Medium, \$3.50.

No. 5, Large, \$4.

Weeders, Cleveland

Lawn. Chisel blade; trigger holds weeds, so they can be pulled out.

60 cts.



Weeder, Excelsior Finger. Useful for loosening and pulverizing the soil. 10 cts. each, \$1 per doz.



Weeder, Lang's Hand. A strap over the finger keeps the tool in the hand while

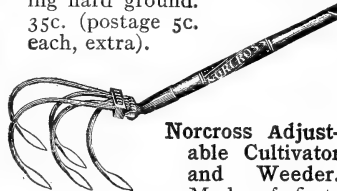
operator's fingers are left free. 20 cts. each, \$2.25 per doz.

New Hand Weeder. A small hand hoe; very useful in the flower garden. Blade 1-in. by 3-in. 20c.

Eureka Hand Weeder. The prongs of solid forged steel are thin and long; fine for loosening soil. Short handle. 25 cts.



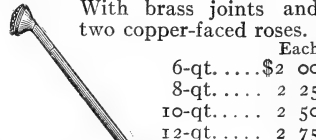
Magic Weeder. Combined weeder and hoe. Fingers of tempered steel. The hoe is useful in loosening hard ground. 35c. (postage 5c. each, extra).



Norcross Adjustable Cultivator and Weeder.

Made of first-class material, the teeth forged from a solid steel rod. Can be entirely taken apart, every piece being detachable. Works between the rows, or center tooth can be removed to straddle the row. \$1.

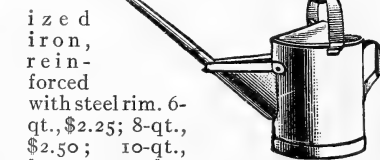
Watering Pot, The "Philadelphia." With brass joints and two copper-faced roses.



Each
6-qt. \$2 00
8-qt. 2 25
10-qt. 2 50
12-qt. 2 75

Watering Pots, French Model. Long spout

French with brass joints, fitted with coarse and fine nozzle. Made of heavy galvan-



ized iron, reinforced with steel rim. 6-qt., \$2.25; 8-qt., \$2.50; 10-qt., \$2.75; 12-qt., \$3.

Philadelphia



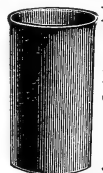
Mehler's Handy Garden Tool. One of the best tools for breaking the crust of the ground and weeding. \$1.

Flower Pots. Best make. Of sizes 2 to 3 inches we do not sell less than 100, of larger sizes not less



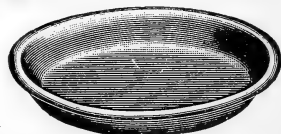
than a dozen. We pack carefully in the best manner, but will not be responsible for breakage in transit.

Size, height and width, inside	Per doz.	100	1,000
2 inches..	\$0 70	\$5 50	
2 1/4 " ..	75	6 25	
2 1/2 " ..	85	7 50	
3 " ..	1 10	9 75	
3 1/2 " ..	\$0 30	1 50	13 00
4 " ..	35	1 75	15 00
4 1/2 " ..	40	2 25	21 00
5 " ..	50	3 00	28 00
6 " ..	65	4 25	40 00
7 " ..	1 00	7 00	
8 " ..	1 50	9 50	
9 " ..	2 00	13 50	
10 " ..	2 50	18 00	
11 " ..	3 50	25 00	
12 " ..	4 50	35 00	



Flower Vases. Indurated wood-fiber; for cut-flowers.

No.	Diam.	Depth	Each
0	8 in.	13 in.	\$0 60
1	5 1/2 in.	10 in.	50
2	4 1/2 in.	9 in.	45
3	4 in.	6 in.	35



Flower-Pot Saucers, Indurated Wood-Fiber. Light and durable. Not porous; will protect tables on which plants stand. Each Doz.

	Each	Doz.
6-inch.....	\$0 15	\$1 65
8-inch.....	18	1 90
10-inch.....	20	2 20
12-inch.....	24	2 60
14-inch.....	30	3 30

Tree Tubs, New York Style.

Made of cedar timber, painted green.



No.	Diam.	Height	Each
1	12 ins.	10 5/8 ins.	\$1 35
2	13 " ..	12 3/4 " ..	1 75
3	14 1/2 " ..	14 3/4 " ..	2 25
3 1/2	16 1/2 " ..	15 3/4 " ..	2 75
4	19 1/2 " ..	16 3/8 " ..	3 00
5	22 1/2 " ..	18 1/2 " ..	3 75

Syringes



No. A. 1 spray rose and 1 jet. Length of barrel 12 in., diam. 1 in. \$2.50.



No. G. 1 spray rose and 1 stream jet, side attachment and elbow joint for sprinkling under foliage. Length of barrel 16 in., diam. 1½ in. \$5.



No. H. Sheet brass with fixed spray rose; length of barrel 16 in., diam. 1½ in. \$3.



No. 2. 1 coarse and 1 fine spray rose and 1 jet, side attachment. \$4.50.



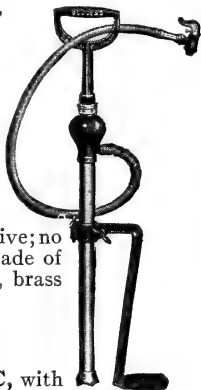
No. 3. Large size with 1 stream and 2 spray roses, with side pieces on barrel. Length of barrel, 18 in., diam. 1½ in. \$6.50.



No. 6. Large size, with 1 spray rose and Gooseneck angle joint, turning in all directions, for washing the undersurface of the leaves of plants and flowers, cleansing them from insects, etc. Length of barrel, 18 in., diam. 1½ in. \$8.

Bucket Spray Pump

Being made of brass, it is not affected by the arsenites used for spraying. Easily operated; throws a solid stream 50 feet. It is provided with a combination nozzle, and also with a sprinkler for flowers. For spraying large trees, an 8-foot pipe extension is supplied for 60 cents extra. This pump is also valuable for washing windows. Price, \$3.75.



Hand Spray Pump

A very useful sprayer for a small garden. Simple and effective; no valves to get out of order. Made of tin or brass. Tin 75 cts. each, brass \$1 each.

The "Pomona"

A perfect sprayer- **Outfit C**, with agitator and one lead 15 feet ½-in. discharge hose, with spray nozzle. \$18.75. **Outfit D**, with Agitator and two leads of 15 feet each ½-in. discharge hose, with spray nozzles. With barrel, \$22.

The "Fruitall"

Same as Pomona, but smaller. **Outfit C**, Sprayer with agitator and one lead 15 feet ½-in. discharge hose, with spray nozzle. With barrel, \$13.75. **Outfit D**, Sprayer with agitator and two leads, 15 feet each, ½-in. discharge hose with spray nozzles. \$17.

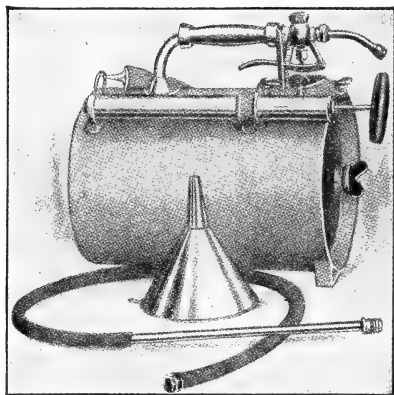
Knapsack Spray Pump

FOR VINEYARD, ORCHARD AND FIELD SERVICE

Made entirely of brass and copper, with ball valves and metal plunger all easily accessible. The discharge is at the bottom and the pump can be entirely drained of the liquid. It should be carried on the back with the straps crossed in front. The reservoir is made of heavy copper and will hold about five gallons. Price, complete, with 3½ feet of ¾-inch discharge hose. Vermorel nozzle and lance for degorger \$13. Special agitator, 75c. extra.



Knapsack Spray Pump



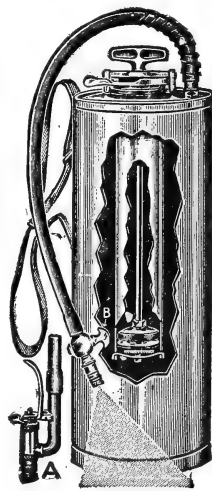
Lowell's Fountain Compressed-Air Sprayer

Lowell's Fountain Compressed-Air Sprayer

Galvanized steel, aluminum finish; capacity three gallons. Tree attachment and galvanized funnel with brass strainer with every machine. The simplest compressed-air sprayer made. One charge sufficient to expel entire contents of tank. Price \$5. Additional brass extensions for tree attachment, 2 feet long, 50 cts.

"Auto-Spray" Pump

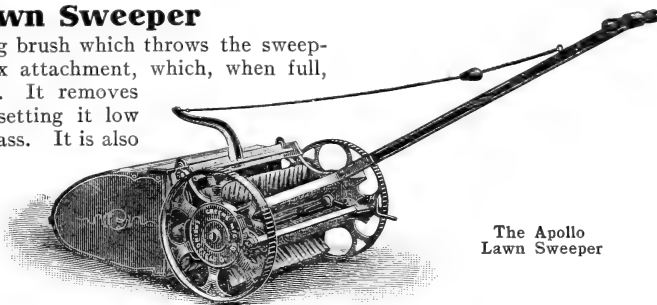
A self-operating sprayer of simple construction, durable easy to carry and to work. Made of galvanized iron or solid brass, with 4-ply rubber hose. For spraying trees, cleaning windows, etc. A perfect pump. Price, with brass tank and stop-cock nozzle, \$6.75; galvanized iron tank and stop-cock nozzle, \$4.50. Brass extension pipe, 2 feet, 45c. extra. Fitted with "Auto-Pop" nozzle, \$1 extra. "Auto-Pop" nozzle if sold alone, \$1.50.



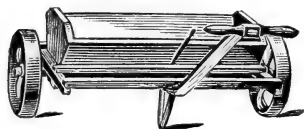
"Auto-Spray" Pump

The Apollo Lawn Sweeper

The machine consists of a revolving brush which throws the sweepings *forward* into the large grass box attachment, which, when full, is dumped by merely pulling a cord. It removes cut grass, leaves, twigs, etc., and by setting it low it is excellent for taking out crab grass. It is also valuable for sweeping garden walks, stables, etc. Price, 28-inch sweep, \$14.



The Apollo
Lawn Sweeper



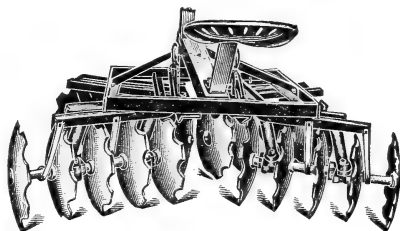
Stevens Hand-Fertilizer Sower

Stevens Hand-Fertilizer Sower

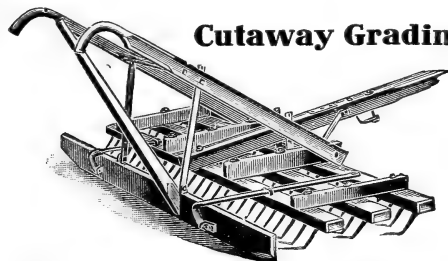
Sows all kinds of lawn dressing and other commercial fertilizers, in large or small quantities. Excellent for sifting wood- or coal-ashes, sawdust or dry sand on icy walks; by removing two blades, will sow damp sand. The hopper is 34 inches long and holds one and one-half bushels. Price, \$12.

Clark's A5 Double-Action Cutaway Harrow

This Harrow will cut and reduce the toughest sod to plant food without the aid of a plow. It will cut from 28 to 30 acres, or will double-cut 15 acres in a day. It can be set so as to move the earth but little, or at so great an angle as to move it the earth 1 foot. It keeps the surface true and the machine runs true in line or draft. Price, \$32, net, f. o. b. factory (Conn.).



Clark's A5 Double-Action Cutaway Harrow



Cutaway Grading, or Smoothing and Leveling Harrow

Cutaway Grading, or Smoothing and Leveling Harrow

With this tool any field can be made smooth and the soil pulverized fine enough for a flower-bed. Will smooth an acre in twenty minutes. It is adjustable with a lever, by which the entire action is controlled by the driver, and he can remove it will all the earth possible for the team to haul, taking it from hills or uneven places and putting it into hollows, to level up the field. For one horse (6 feet wide), \$13.50. For two horses (8 feet wide), \$15.50, f. o. b. factory (Conn.).



FARMOGERM

A preparation of high-bred, nitrogen-gathering bacteria in sealed bottles, ready to use, with water added according to directions. Bottles contain enough Farmogerm to inoculate the seed for one acre. Prepared for the following crops:

Price per acre, \$2. State for what crop Farmogerm is wanted, when ordering

White Clover
Red Clover
Crimson Clover
Alsike Clover
Alfalfa Clover
Cowpeas

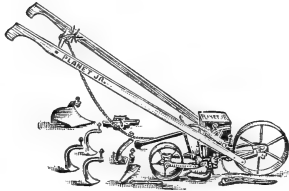
Canada Field Peas
Garden Peas
Sweet Peas
Soy Beans
Garden Beans
Vetches

Also in garden sizes, enough for 1,000 square feet or a 200-foot row, for Peas, Beans, Sweet Peas and White Clover, at 50 cts. per bottle. We secure cultures fresh from the laboratory, hence it takes two or three days to fill orders.

"Planet Jr." Farm and Garden Tools

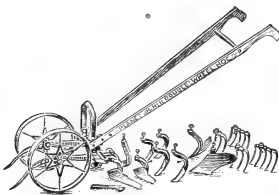
Illustrated catalogue describing fully many other "Planet Jr." tools mailed on application. Prices are quoted net f. o. b. New York.

"Planet Jr." No. 4 Combined Seed Drill, Single Wheel Hoe, Cultivator and Plow



This admirable tool combines in a single convenient implement a capital hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder sows in continuous rows or drops in hills at five different distances. Price, \$11; as a seeder only, \$9.

"Planet Jr." No. 11 Double Wheel Hoe, Cultivator and Plow

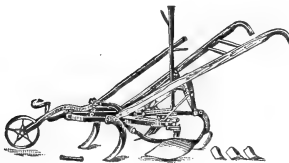


This perfected wheel hoe is invaluable for use in all small crops. Its variety of work is almost incredible. Changes and adjustments of the tools are made with the greatest quickness. It has 11-inch wheels, which can be set at four different distances apart; the frame is steel with ample room for tool adjustment and can be set three different heights. Price, \$9.

No. 12. Double Wheel Hoe, Cultivator and Plow. Identical with No. 11 Wheel Hoe, except fewer attachments. Price, \$7.

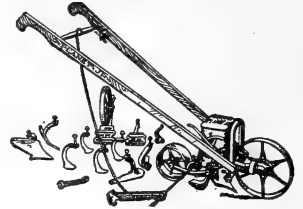
No. 13. Double Wheel Hoe. Same as No. 12, but hoe only. Price, \$4.75.

"Planet Jr." No. 8 Horse Hoe and Cultivator



Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse-Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle. The frame is extra long and extra high, making a tool that will not clog easily. Price, \$9; without depth-regulator (No. 7), \$8.50.

"Planet Jr." No. 25 Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow.



This combined machine is intended for a class of gardeners who have a large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and yet prefer not to buy a separate wheel hoe. It is large enough for field use, for it holds two and one-half quarts. Price, \$13.50.

"Planet Jr." No. 16 Single Wheel Hoe, Cultivator, Rake and Plow



This Single Wheel Hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame. Price, \$5.85.

No. 17. Single Wheel Hoe. \$5.

No. 18. Single Wheel Hoe. \$3.50.

The No. 17 and 18 are like the No. 16, but have fewer attachments.

"Planet Jr." Twelve-Tooth Harrow, Cultivator and Pulverizer



This tool has rapidly grown into favor with farmers, market gardeners and strawberry growers. It has a high frame and chisel-shape teeth. The Foot-Lever Pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth, while in motion; it contracts to 12 inches and expands to 32 inches. Price, \$9 complete; with wheel only, \$7.40; without wheel or pulverizer, \$6.20.

Cast-Iron Hand Lawn Rollers, with Roller Bearings

(Patented)



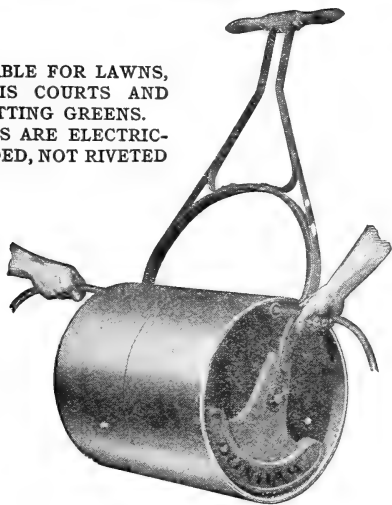
	Diam.	Length	Sections	Weight, lbs.	Net price
No. 401	.15	.16	2	150	\$8 00
No. 402	.15	.24	3	200	10 00
No. 404	.20	.20	2	250	13 00
No. 407	.20	.24	2	300	15 00
No. 409	.24	.20	2	400	21 75
No. 411	.24	.24	3	450	22 00
No. 412	.24	.30	3	500	24 50
No. 415	.28	.30	3	600	29 00

Water-Ballast Roller

**Roller Bearing. Can Be Filled without
Turning on End, with Either Water
or Sand**

(Patented)

SUITABLE FOR LAWNS,
TENNIS COURTS AND
PUTTING GREENS.
SEAMS ARE ELECTRIC-
WELDED, NOT RIVETED



One or two-section "Water Weight" Rollers, with-
out counterbalancing handle-weights.

No.	Diam. in.	Length in.	Sec- tions	Weight empty, lbs.	Weight filled with water, lbs.	Weight filled with sand, lbs.	Price
2	14	20	1	60	200	300	\$10 00
4	18	24	1	75	300	500	13 00
6	24	24	1	125	500	800	17 00
10	18	24	2	100	300	500	18 00
12	24	32	2	170	650	1000	24 00

If handle-weight is desired, add \$1.50 to above prices.

Steel Horse Rollers



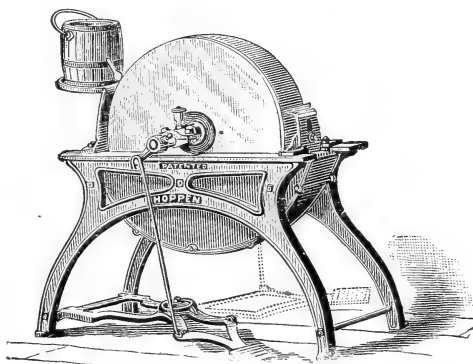
No.	Length feet	Diam. inches	Sections	Weight pounds	Price
532	.6	.24	3	485	\$25 00
534	.7	.24	3	540	27 00
536	.8	.24	3	585	29 00
539	.9	.24	3	635	31 50
541	1.0	.24	3	680	36 00

Lawn Trimmers

FOR TRIMMING CLOSE TO WALLS OR FENCES

Coldwell's, 8-inch cut\$5 00

Hoppen Grindstones



No wood to rot, no rivets to come loose. Frames,
being of iron, will last a lifetime.

Legs are a part of frame so that it is impossible for
them to become loose or wobbly.

The stone spins lightly on self-oiling, self-aligning
journals.

It is held firmly by powerful flanges and nuts on a
shaft turned from a steel bar and hung true.

Size of stone, 24 in. diameter, 2½ inches wide.

Price, frame and stone, with pulley or treadle,
shield pan and iron bucket, complete, \$18.

Same as above, with both pulley and treadle. \$20.

Hand crank can be supplied for 70 cts. extra.

We can furnish Rollers in many sizes and weights, as well as those quoted. We list
the above as being the ones most in demand. Prices on other sizes on application.

The Thorburn Century Ball-Bearing Lawn Mower

Thorburn's Century Ball-bearing Lawn Mower is a marvel of simplicity, as one screw adjusts both bearings. It has a simple, self-adjusting device, which keeps the bearing properly adjusted for a long time, and a double inter-changeable ratchet. By shifting handle bales from the front to the rear lugs on the side frame, the mower can be made to cut terraces and steep banks.

Manufactured expressly for us, and is, in every respect, the **BEST LAWN MOWER** ever made.

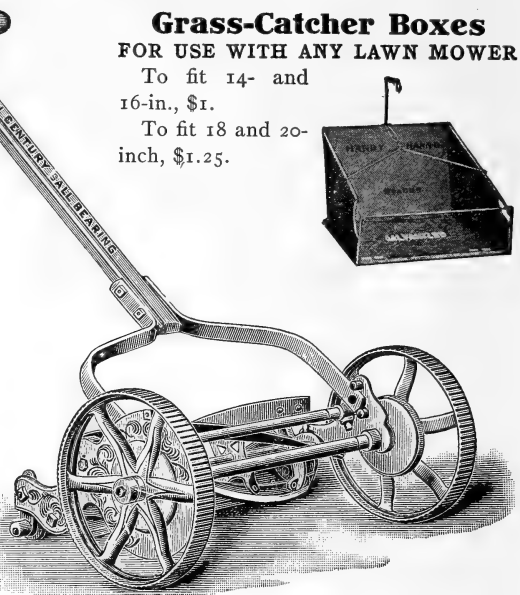
NET PRICES

14-inch cut.....	\$8 50
16-inch cut.....	9 50
18-inch cut.....	10 50
20-inch cut.....	11 50

Grass-Catcher Boxes FOR USE WITH ANY LAWN MOWER

To fit 14- and
16-in., \$1.

To fit 18 and 20-
inch, \$1.25.



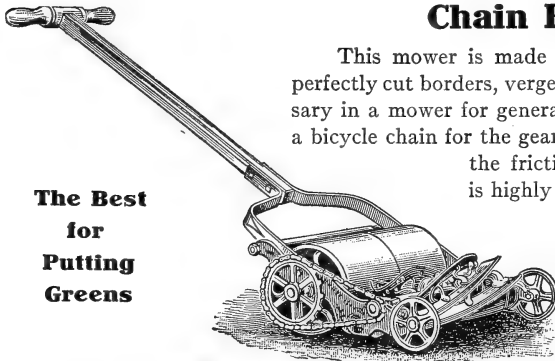
Chain Roller or Golf Mower

This mower is made to meet the demand for a machine that will more perfectly cut borders, verges, etc., and yet retain all the other features necessary in a mower for general work. Its great advantage is the substitution of a bicycle chain for the gears generally used in this style of mower. This reduces the friction to a minimum. The machine with six blades is highly recommended for work on putting greens.

NET PRICES

	4 Blades	6 Blades
12-inch cut.....	\$12 00	\$13 00
14-inch cut.....	13 00	14 00
16-inch cut.....	14 00	15 00
18-inch cut.....	16 00	17 00

**The Best
for
Putting
Greens**

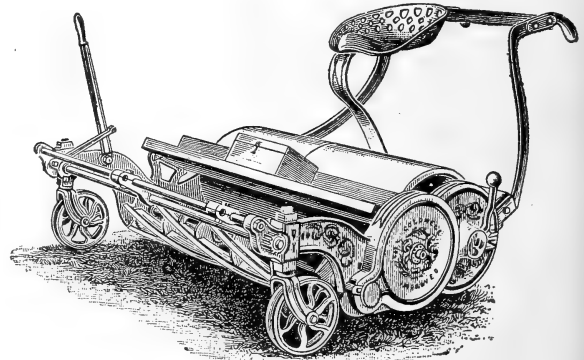


Coldwell Improved Horse Lawn Mower

This well-known standard Mower has side draft attachment, to enable the horse to walk on the cut grass only, and caster-rollers which will not mark the lawn. Evenness of cut is assured by an adjustment which raises or lowers the two sides at the same time by means of a simple lever movement; the same lever serves the purpose of raising the knives from the ground when driving over gravel walks or roads.

NET PRICES free on board New York

25-inch cut, no shaft.....	\$38 00
30-inch cut, complete.....	65 00
35-inch cut, complete.....	78 00
40-inch cut, complete.....	95 00



Horse Boots

PREVENT CUTTING UP THE TURF

Made of very strong, heavy leather, closely riveted. Price, per set of four, \$9.

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THORBURN'S LIST OF VEGETABLE SEEDS

That May Be Sown in Each Month from February to September in the Climate of New York

FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
SOW IN HOTBED Early Beans Broccoli Early Cabbage Forcing Carrot Early Celery Cucumber Eggplant Early Lettuce Parsley Pepper Radish Tomato	SOW IN HOTBED Early Beans Early Beets Brussels Sprouts Early Cabbage Forcing Carrot Cauliflower Celery Eggplant Kohlrabi Lettuce Parsley Pepper Radish Tomato	SOW IN HOTBED Cucumber Eggplant Melon Pepper Tomato IN OPEN GROUND Asparagus English Beans Beets Brussels Sprouts Early Cabbage Carrot Cauliflower	IN OPEN GROUND Artichoke Asparagus Beans, Bush and Running Beets Brussels Sprouts Carrot Cauliflower Celery Sweet Corn Cress Cucumber Kohlrabi Lettuce Melon Onion Parsley Parsnip Peas Potatoes Radish Salsify Spinach Early Turnip All Herbs	IN OPEN GROUND Beans, Lima and all other sorts Beets Broccoli Brussels Sprouts Late Cabbage Carrot Cauliflower Sweet Corn Cress Cucumber Endive Kale Kohlrabi Lettuce Melon Nasturtium Okra Early Peas Potatoes Pumpkin Radish Spinach Squash Herbs	IN OPEN GROUND Beans Beets Carrot Sweet Corn Corn Salad Cress Cucumber Endive Lettuce Welsh Onion Early Peas Radish Spinach Turnip	IN OPEN GROUND Beans, Bush Tuberous Chervil Corn Salad Cucumber Endive Lettuce Early Peas Radish Spinach Turnip	IN OPEN GROUND Cabbage for cold-frames Cauliflower for coldframes Tuberous Chervil Corn Salad Cress Siberian Kale Lettuce Mustard Winter Radish Spinach Turnip Sweet Peas
Extra Early Norheim Sweet Corn Earliest of all Very productive Finest quality	IN OPEN GROUND Bean, B. Windsor Beets Carrot Lettuce Onion Peas Potatoes Radish Spinach Early Turnip	IN OPEN GROUND Celery Cress Kohlrabi Lettuce Onion Parsley Parsnip Peas Potatoes Radish Spinach Early Turnip	IN OPEN GROUND Lettuce Cress Kohlrabi Lettuce Melon Onion Parsley Parsnip Peas Potatoes Radish Salsify Spinach Early Turnip All Herbs	IN OPEN GROUND Lettuce Melon Nasturtium Okra Early Peas Potatoes Pumpkin Radish Spinach Squash Herbs	IN OPEN GROUND Beans Beets Carrot Sweet Corn Corn Salad Cress Cucumber Endive Kale Kohlrabi Lettuce Nasturtium Okra Early Peas Pumpkin Radish Spinach Squash White Fr. Turnip Rutabaga	THORBURN GILT-EDGE CAULIFLOWER LARGEST SUREST AND BEST OF ALL	Upright Sweet Salad Pepper Noroton White Spine Cucumber

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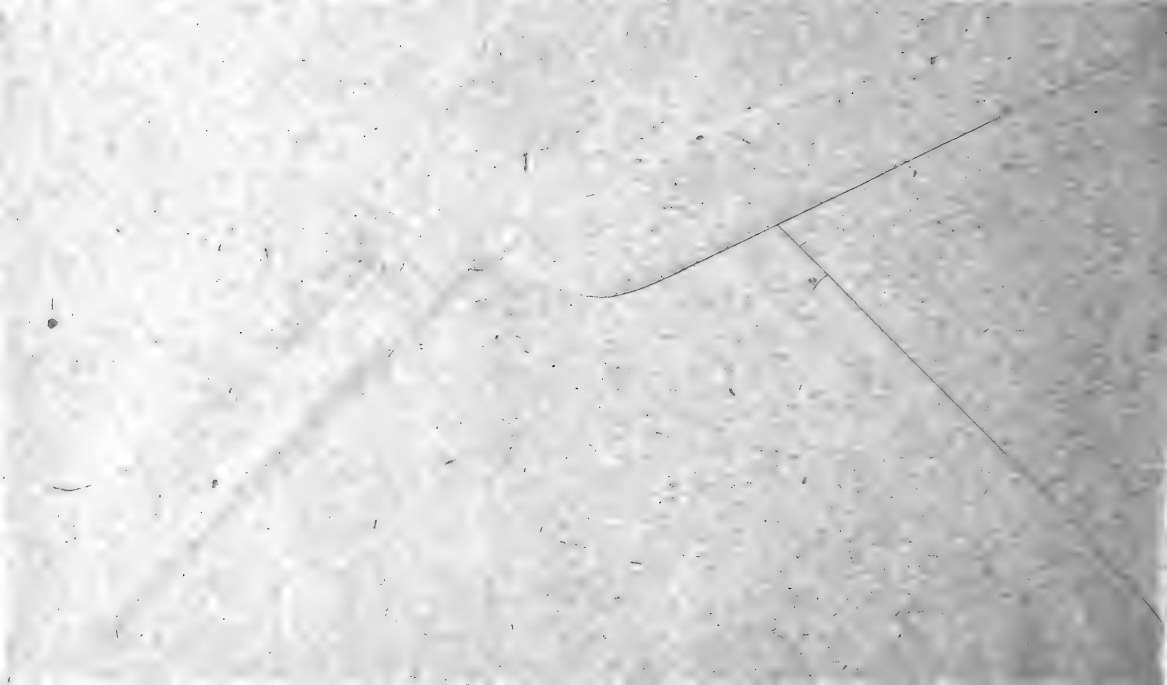
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VEGETABLE SEEDS

Quantity	VARIETIES	Price	Quantity	VARIETIES	Price	Quantity	VARIETIES	Price
		\$ Cts.			\$ Cts.			\$ Cts.
ARTICHOKE			<i>Brought forward</i>			<i>Brought Forward</i>		
.....	French Globe.....		Beans—Dwarf Green-Pod—continued			Beans—White—continued		
.....	" " Artichoke Roots.....		.....	Stringless Green Pod Giant..		.....	Burpee Bush Lima.....	
.....	Jerusalem Artichoke Roots..		.....	Thorburn's Long-Pod Forcer		.....	Burpee Imp'd Bush Lima...	
ASPARAGUS			.....	Valentine.....		.....	Fordhook Bush Lima.....	
.....	Colossal, Seed.....		.....	" Black.....		.....	Henderson Bush Lima.....	
.....	" Roots, 2 year old...		.....	" Giant Stringless...		.....	Wood's Prolific Bush Lima..	
.....	Palmetto, Seed.....		BEANS—ENGLISH DWARF			.....	Dwarf White Flageolet.....	
.....	" Roots 2 year old...		.....	Broad Windsor.....		.....	White Kidney.....	
.....	Columbian Mam., Seed.....		BEANS—DWARF WAX			.....	White Marrow.....	
.....	" " Roots.....		.....	Black Wax, Prolific.....		BEANS—POLE		
.....	Bonvalette's Giant Seed.....		.....	" " Pencil-Pod.....		.....	Lima, Challenger.....	
BEANS—DWARF GREEN-POD			.....	Burpee's New Kidney Wax..		.....	" Carpinteria.....	
.....	Bountiful.....		.....	Currie's Rustproof.....		.....	" Early Jersey.....	
.....	Dwarf Horticultural.....		.....	Davis Kidney Wax.....		.....	" Large White.....	
.....	" " Carmine		.....	Detroit Wax.....		.....	" King of Garden.....	
.....	Pods.....		.....	Flageolet Red Wax.....		.....	" Ideal.....	
.....	Full Measure.....		.....	Golden Wax Improved.....		.....	" Small Sieva.....	
.....	Fulmer's Forcing.....		.....	" Keeney's Rustless		.....	" Seibert's Early.....	
.....	Goddard Improved.....		.....	Golden-Eyed Wax.....		.....	Black Wax Pole.....	
.....	Green Seed Flageolet.....		.....	Hodson Wax.....		.....	Dutch Case-Knife.....	
.....	Hodson Green Pod.....		.....	Horticultural Dwarf Wax...		.....	Golden Cluster Wax.....	
.....	Longfellow.....		.....	Michigan White Wax.....		.....	Horticultural Pole.....	
.....	Low's Champion.....		.....	Refugee Wax, Stringless...		.....	Kentucky Wonder.....	
.....	Marvel of Paris.....		.....	Round-Pod Kidney Wax...		.....	" " Wax Pods	
.....	Mohawk.....		.....	Sure Crop Stringless Wax...		.....	" " White Seed	
.....	Osborn's Forcing.....		.....	Valentine Wax.....		.....	Lazy Wife.....	
.....	Refugee, or 1000 to 1.....		.....	Wardwell Kidney Wax.....		.....	Scarlet Runner.....	
.....	" Extra-Early.....		.....	White Wax Imp. Stringless..		.....	Southern Creaseback.....	
.....	" Golden.....		.....	Yosemite Wax.....		.....	Southern Prolific.....	
.....	" Keeney's Stringless...		BEANS—WHITE			.....	Butterfly Runner.....	
.....	Six Weeks Long.....		.....	Thorburn Dwarf Lima.....		.....	White Dutch Runner.....	
.....	Stringless Green-Pod.....		.....	<i>Forward</i>.....		.....	Yard Long.....	
.....	<i>Forward</i>.....					.....	<i>Forward</i>	

VEGETABLE SEEDS—continued.

Quantity	VARIETIES	Price	Quantity	VARIETIES	Price	Quantity	VARIETIES	Price
		\$ Cts.			\$ Cts.			\$ Cts.
	<i>Brought forward</i>			<i>Brought forward</i>			<i>Brought forward</i>	
BEET			CARROT			CAULIFLOWER—continued		
..... Bassano.....			..... French Forcing .....			..... Ex.-Ea. Snowball.....		
..... Crimson Globe.....			..... Carentan.....			..... Large Ea. Snowball.....		
..... " " Sutton's.....			..... Early Round Parisian.....			..... Thorburn Gilt-Edge.....		
..... Detroit.....			..... Guerande.....			..... Denmark.....		
..... Early Blood Turnip.....			..... Early Scarlet Horn.....			..... Extra-Early Paris.....		
..... Eclipse.....			..... Half Long Pointed.....			..... Lenormand Short Stem.....		
..... Edmand.....			..... " " Stump.....			..... Large Algiers.....		
..... Egyptian.....			..... " " Nantes.....			..... Early London.....		
..... " Crosby's.....			..... " " Chantenay.....			..... Thorburn Nonpareil.....		
..... Half Long Blood .....			..... " " Luc.....					
..... Lentz.....			..... " " Danvers.....					
..... Long Smooth Blood .....			..... St. Valery			CELERY		
..... New Model.....			..... Long Orange.....			..... Fin de Siecle.....		
..... Trevis (Columbia) .....			..... White Vosges.....			..... Giant Pascal.....		
..... Witham Fireball.....			..... White Belgian.....			..... Golden Heart Giant.....		
..... Swiss Chard or Silver Beet ..						..... Golden Self-Bl. Gilt Edge.....		
..... " " Lucullus.....						..... Golden Self-Bl. French.....		
			CABBAGE			..... Golden Self-Bl. American.....		
MANGEL WURZEL			..... Baseball.....			..... Golden Self-Bl. Blanching.....		
..... Giant Half Sugar.....			..... Copenhagen Market.....			..... Kalamazoo.....		
..... Giant Intermediate.....			..... Early Spring.....			..... New Rose.....		
..... Golden Tankard.....			..... Early York.....			..... Perfection Heartwell.....		
..... Mammoth Long Red.....			..... Large Early York.....			..... Pink Plume.....		
..... Red Globe.....			..... Enkhuizen Glory.....			..... Schumacher.....		
..... Orange Globe.....			..... Early Jersey Wakefield.....			..... Silver White.....		
			..... Charleston Wakefield.....			..... White Plume.....		
BEET—SUGAR			..... Holstein.....			..... Winter Queen.....		
..... White Rose-Top .....			..... Imp. Early Summer.....			..... Celeriac, Erfurt.....		
..... Klein Wanzleben.....			..... Succession Improved.....			..... " Giant Prague.....		
..... Vilmorin's Improved.....			..... Large Late Drumhead.....			..... " Apple.....		
..... Lane's Imperial.....			..... " " Flat Dutch.....			..... Cutting Celery for Soup.....		
			..... Thorburn Private Stock.....					
BROCCOLI			..... Danish Ball-Head, long stem.....			CHERVIL		
..... Early White.....			..... " " short stem.....			..... Curled.....		
..... Mammoth White.....						..... Plain.....		
..... Early Purple Cape.....			..... Green Glazed.....					
..... Veitch's Self-Protecting.....			..... Volga.....			CHICORY		
			..... Winnigstadt.....			..... Common or Wild.....		
BRUSSELS SPROUTS			..... Red Zenith.....			..... Witloof.....		
..... Improved Half Dwarf.....			..... Red Stonehead.....					
..... Dalkeith.....			..... Red Erfurt.....			CORN—SALAD		
..... Dwarf German.....			..... Savoy, Ulm.....			..... Large-Seeded.....		
			..... " Late American D'h'd.....			..... Small-Seeded.....		
<i>Forward</i>.....			..... " Early Vienna.....			..... Green Cabbaging.....		
			..... Chinese Cabbage.....			..... Lettuce-Leaved.....		
			CAULIFLOWER					
			..... Ex.-Ea. Dwarf Erfurt.....			<i>Forward</i>		
			..... Large Early Erfurt.....					

VEGETABLE SEEDS—continued.

Quantity	VARIETIES	Price	Quantity	VARIETIES	Price	Quantity	VARIETIES	Price
		\$ Cts.			\$ Cts.			\$ Cts.
	<i>Brought forward</i>			<i>Brought forward</i>			<i>Brought forward</i>	
CRESS			CUCUMBER			KALE, or BORRICOLE		
..... Curled or Pepper Grass.....			..... Cool and Crisp.....			..... Curled Dwarf Green Scotch.....		
..... Broad-Leaved Winter (Gray Seed).....			..... Cumberland.....			..... " Tall Green Scotch.....		
..... Erfurt Sweet Water.....			..... Davis Perfect.....			..... " Dwarf Brown.....		
..... True Water Cress.....			..... Early Green Cluster.....			..... " Siberian.....		
CORN, SWEET or SUGAR—EXTRA-EARLY			..... Early Russian.....			..... Jersey Winter.....		
..... Early Cory.....			..... Early Short Green .....			..... Thousand-Headed.....		
..... White Cory.....			..... Evergreen.....			..... Sea Kale.....		
..... Mam. White Cory.....			..... Everbearing (Thor.).....			..... Pe-Tsai (Chinese Cabb.).....		
..... Metropolitan.....			..... Fordhook Pickling.....					
..... Golden Bantam.....			..... Fordhook Famous.....			KOHL-RABI		
..... Catawba.....			..... Gherkin.....			..... Early White Vienna.....		
..... Kendel's Giant.....			..... Giant Pera.....			..... Early White Vienna (frames).....		
..... Long Island Beauty.....			..... Green Prolific Pickling.....			..... Early Purple Vienna.....		
..... Cosmopolitan.....			..... Japan Climbing.....			..... Early Purple Vienna (frames).....		
..... Minnesota.....			..... Klondyke.....			..... Large White, or Green.....		
..... Nordheim Extra-Early.....			..... Lemon.....					
..... Sweet Orange.....			..... Long Green.....			LETTUCE		
..... Peep O'Day.....			..... Long Green Turkey.....			..... American Gathering.....		
..... Premo.....			..... New Orleans Market.....			..... Big Boston.....		
..... Perry Hybrid.....			..... Nicholl's Medium Green.....			..... Buttercup.....		
..... Melrose.....			..... Tailby Hybrid.....			..... California Cream.....		
..... Extra-Early Adams.....			..... White Spine Extra Early.....			..... Cold Frame Cabbage.....		
..... Sheffield Early.....			..... " " Improved.....			..... Dencon.....		
CORN—SECOND EARLY			..... " " Arlington.....			..... Denver Market.....		
..... Thorb. Ey. White Perfection.....			..... " " Extra Long.....			..... Emperor Forcing.....		
..... Early Champion.....			..... " " Noroton Imp'd.....			..... Giant Crystal Head.....		
..... " Mammoth.....						..... Glasshouse.....		
..... Shaker.....			DANDELION			..... Grand Rapids.....		
..... Crosby.....			..... French Garden.....			..... Gray-Seeded Butter.....		
..... Potter Excelsior.....			..... Improved, Thick-Leaved.....			..... Hanson.....		
..... Moore Concord.....			..... Thick-Leaved, Fullheart.....			..... Hothouse.....		
..... Early Evergreen.....			..... Montmagny.....			..... Hubbard.....		
..... Early Adams.....						..... Iceberg.....		
CORN—GENERAL CROP			EGG-PLANT			..... Large White-Seeded Butter.....		
..... Hickox Improved.....			..... Imp. N. Y. Spineless.....			..... Mammoth B. S. Butter.....		
..... Large Eight Rowed.....			..... Black Beauty.....			..... Market Gard. Priv. Stock.....		
..... Stowell Evergreen.....			..... Early Dwarf Purple.....			..... Maximum.....		
..... Triumph.....			..... Florida High Bush.....			..... May King.....		
..... White Evergreen.....			..... Long White.....			..... Mignonette.....		
CORN—LATE			..... Round White.....			..... New York Cabbage.....		
..... Black Mexican.....			..... Long Purple.....			..... Oakleaf.....		
..... Henderson's Sugar.....			..... Black Pekin.....			..... Passion.....		
..... Late Mammoth.....			..... Scarlet Chinese.....			..... Reichner.....		
..... Egyptian.....			..... Striped.....			..... Rheingold.....		
..... Country Gentleman.....						..... Salamander.....		
..... Tuscarora.....			ENDIVE			..... Shotwell Brown Head.....		
..... Sweet Podder Corn.....			..... Green Curled Winter.....			..... Simpson White Seed.....		
<i>Forward</i>.....			..... Broad-Leaved (Escarolle).....			..... " Black Seed.....		
			..... De Ruffee.....			<i>Forward</i>		
			..... White Curled.....					

Quantity	VARIETIES	Price	Quantity	VARIETIES	Price	Quantity	VARIETIES	Price
	<i>Brought forward</i>			<i>Brought forward</i>			<i>Brought forward</i>	
	Lettuce—continued			MELON—WATER			Onion—continued	
.....	Tennis Ball White Seed.....		.....	Alabama Sweet.....		.....	White Large Portugal.....	
.....	" " Black Seed.....		.....	Black Diamond.....		.....	" Large Globe.....	
.....	Trocadero.....		.....	Black Spanish.....		.....	" Mam. Garganus.....	
.....	Yellow Winter.....		.....	Boss.....		.....	" Bermuda.....	
.....	Bath Cos, Black Seed.....		.....	Bradford.....		.....	" Bermuda Crystal Wax.....	
.....	Balloon Cos.....		.....	Blue Gem.....		.....	" Paris Silverskin.....	
.....	Trianon Cos.....		.....	Citron, Green Seed.....		.....	" Tripoli.....	
.....	Express Cos.....		.....	" Red Seed.....		.....	" Bunching.....	
.....	Golden Yellow Cos.....		.....	Cole's Early.....		.....	" Welsh.....	
.....	Red Cos.....		.....	Cuban Queen.....		.....	Yellow Danvers.....	
.....	White Paris Cos.....		.....	Dixie.....		.....	" Globe Danvers.....	
	LEEK		.....	Early Fordhook.....		.....	" Large Globe.....	
.....	Best Large Flag.....		.....	Florida Favorite.....		.....	" Globe Michigan.....	
.....	Large Rouen.....		.....	Halbert's Honey.....		.....	" Prizetaker.....	
.....	Large Carentan.....		.....	Hungarian Honey.....		.....	" Denia.....	
.....	Musselburgh.....		.....	Ice Cream White Seed.....		.....	" Globe Australian.....	
	MUSHROOM SPAWN		.....	Icing Dark.....		.....	" Ailsa Craig.....	
.....	English.....		.....	Icing Light.....		.....	" Strasburg.....	
.....	French.....		.....	Jordan Gray Monarch.....		.....	Red Large Wethersfield.....	
.....	American.....		.....	Jumbo.....		.....	" Large Globe.....	
	MELON—MUSK		.....	Kleckley Sweets.....		.....	" Early Globe.....	
.....	Banana Citron.....		.....	Kolb Gem.....		.....	" Early Flat.....	
.....	Baltimore Market.....		.....	Mammoth Santiago.....		.....	" Australian Brown.....	
.....	Banquet.....		.....	" Iron Clad.....		.....	" Bermuda.....	
.....	Bay View Hybrid.....		.....	Mountain Sweet.....		.....	Chives Seed.....	
.....	Burrell Gem.....		.....	Phinney.....		.....	Shallot Seed.....	
.....	Champion Market.....		.....	Pride of Georgia.....		.....	Yel. Potato Onion (Seed).....	
.....	Defender.....		.....	Rattlesnake.....			ONION SETS, ETC.	
.....	Emerald Gem.....		.....	Seminole.....		.....	Yellow Onion Sets.....	
.....	Hackensack.....		.....	Sugar Stick.....		.....	White Onion Sets.....	
.....	Hackensack Ex.-Early.....		.....	Sweetheart.....		.....	Red Onion Sets.....	
.....	Hybrid Casaba.....		.....	Tom Watson.....			OKRA, or GUMBO	
.....	Jenny Lind.....		.....	Triumph.....		.....	Dwarf Green Prolific.....	
.....	Long Island Beauty.....		.....	Wonderful Sugar.....		.....	Long Green.....	
.....	Mango Melon.....			MUSTARD		.....	White Velvet.....	
.....	Montreal.....		.....	Black.....		.....	Perkin's Mammoth.....	
.....	Netted Gem, Round.....		.....	Elephant's Ear.....			PARSNIP	
.....	" " Oblong.....		.....	White London.....		.....	Thorburn Hollow Crown.....	
.....	Nutmeg.....		.....	Giant Southern Curled.....		.....	Early Round.....	
.....	" Tip Top.....		.....	Chinese Broad-Leaved.....			PARSLEY	
.....	Orange Christina.....		.....	Ostrich Plume.....		.....	Extra Curled.....	
.....	Osage.....		.....	Fordhook Fancy.....		.....	Moss Curled.....	
.....	Paul Rose.....			ONION		.....	Fern-Leaved.....	
.....	Pomegranate.....		.....	White Early Barletta.....		.....	Beauty of the Parterre.....	
.....	Rocky Ford.....		.....	" Queen.....		.....	Hamburg, or Rooted.....	
.....	Skillman's Netted Gem.....		.....	" Pearl.....		.....	Glory of Erfurt Turnip Rooted.....	
.....	Surprise.....		.....	" Victoria.....		.....	Turnip Rooted, Thick Sugar.....	
.....	Winter Pineapple.....			<i>Forward</i>.....		.....	<i>Forward</i>	
.....	<i>Forward</i>							

Quantity	VARIETIES	Price	Quantity	VARIETIES	Price	Quantity	VARIETIES	Price
\$	Cts.		\$	Cts.		\$	Cts.	
	<i>Brought forward</i>			<i>Brought forward</i>			<i>Brought forward</i>	
	PEAS—EXTRA-EARLY			Pumpkin—continued.			Radish—continued.	
.....	Thorb's Ex-Early Market.....		.....	Cushaw Golden.....		.....	Turnip Scarlet White Tip...	
.....	First-of-all.....		.....	" White.....		.....	" " " Forc.	
.....	Daniel O'Rourke.....		.....	Etampes.....		.....	Turnip Deep Scarlet.....	
.....	Alaska.....		.....	Golden Oblong.....		.....	" " " Forc.....	
.....	Gradus.....		.....	Japan Crookneck.....		.....	" Scarlet Gem.....	
.....	Thomas Laxton.....		.....	Jonathan.....		.....	" Triumph.....	
.....	American Wonder.....		.....	Mammoth King.....		.....	" Crimson Giant.....	
.....	Little Gem.....		.....	" Tours.....		.....	" Scarlet Globe Forcing	
.....	Nott's Excelsior.....		.....	Quaker Pie.....		.....	" Non Plus Ultra.....	
.....	Premium Gem.....		.....	Tennessee Sweet Potato.....		.....	" White or Box.....	
.....	Peter Pan.....		.....	Winter Luxury.....		.....	" Large White Summer	
.....	Saxonia.....			SEED POTATOES—EARLY		.....	" Golden "	
.....	Sutton's Excelsior.....		.....	Noroton Beauty.....		.....	Olive-Shaped, French Bkfst..	
.....	Wm. Hurst.....		.....	The Thorburn.....		.....	" Golden Yellow.....	
	PEAS—EARLY AND MED.		.....	Beauty of Hebron.....		.....	" White Forcing.....	
.....	Everbearing.....		.....	Bovee.....		.....	" Deep Scarlet.....	
.....	McLean Advancer.....		.....	True Early Rose.....		.....	" Deep Scarlet	
.....	Abundance.....		.....	Irish Cobbler.....		.....	Forcing.....	
.....	Horsford Market-Garden.....		.....	Bliss Triumph.....		.....	" Deep Scarlet	
.....	Pride of the Market.....			SEED POTATOES—INTERME-		.....	White Tip ..	
.....	Champion of England.....		.....	Diate and Late		.....	Half-long Delicacy.....	
.....	Dwarf Champion.....		.....	Carman No. 1.....		.....	" " Deep Scarlet.....	
.....	Duke of Albany.....		.....	Rural New Yorker.....		.....	" " White Forcing.....	
.....	Heroine.....		.....	Sir Walter Raleigh.....		.....	Long Scarlet Short Top.....	
.....	Shropshire Hero.....		.....	Uncle Sam.....		.....	" Brightest Scarlet.....	
.....	Sutton's Dwarf Defiance.....		.....	Green Mountain.....		.....	" Chartier.....	
.....	Yorkshire Hero.....		.....	Gold Coin.....		.....	" Cincinnati Market.....	
	PEAS—MAIN AND LATE			PEPPER		.....	" Wood Frame.....	
.....	Admiral Dewey.....		.....	Bell, or Bull Nose.....		.....	" White Naples.....	
.....	Juno.....		.....	Cayenne Long Red.....		.....	" " Vienna.....	
.....	Stratagem.....		.....	Celestial.....		.....	" Icicle.....	
.....	Telegraph.....		.....	Chinese Giant.....		.....	Round Scarlet China.....	
.....	Telephone.....		.....	Golden Queen Mam.....		.....	White Strasburg.....	
.....	White Marrowfat.....		.....	Neapolitan.....		.....	" Stuttgart.....	
.....	Black-Eyed Marrowfat.....		.....	Red Cherry.....		.....	Winter Scarlet Chinese.....	
	PEAS—SUGAR (Edible Pods)		.....	Red Chili.....		.....	Winter Long Black Spanish..	
.....	Dwarf Sugar.....		.....	Red Cluster.....		.....	" Half-Long Bl'k Span.	
.....	Luscious Sugar.....		.....	Ruby King.....		.....	" Oval Black Spanish..	
.....	Mam. Gray-Seeded Sugar.....		.....	Squash.....		.....	" Round Black Spanish	
	PUMPKIN		.....	Sweet Mountain.....		.....	" Cal. White Mam.....	
.....	Early Sugar.....		.....	Sweet Spanish.....		.....	" Celestial.....	
.....	Calhoun.....		.....	Tabasco.....		.....	Sakurajima Mam. Japan....	
.....	Cheese.....		.....	Upright Sweet Salad.....		.....	Raphanus Caudatus.....	
.....	Cheese, Kentucky.....			RADISH			RHUBARB	
.....	Connecticut Field.....		.....	Turnip Scarlet.....		.....	Victoria.....	
.....	Cushaw Striped.....		.....	" " Forcing.....		.....	Crimson Winter.....	
	<i>Forward</i>.....		.....	" " Giant Butter ..		.....	Roots.....	
				<i>Forward</i>.....		.....	<i>Forward</i>	

VEGETABLE SEEDS—continued.

Quantity	VARIETIES	Price	Quantity	VARIETIES	Price	Quantity	VARIETIES	Price
		\$ Cts.			\$ Cts.			\$ Cts.
	<i>Brought forward</i>			<i>Brought forward</i>			<i>Brought forward</i>	
SALSIFY			Squash—continued			Tomato—continued		
..... Thorburn Imp. Thick.....			..... English Veg. Marrow.....			..... Stone Dwarf.....		
..... Mam. Sandwich Island.....			..... Italian " ".....			..... Station Upright.....		
BORREL			TOMATO			..... Table Queen.....		
..... Large French.....			..... Acme.....			..... Terra Cotta.....		
..... Large Belleville.....			..... Atlantic Prize.....			..... Thorburn's Earliest.....		
..... Large Leaved German.....			..... Beauty.....			..... Trophy.....		
SPINACH			..... Buckeye State.....			..... Trucker's Favorite.....		
..... Viroflay.....			..... Burpee's Earliest Pink.....			..... Winter Beauty.....		
..... Long Season Thorb.....			..... Carter's Sunrise.....			..... Yellow Cherry.....		
..... Flanders.....			..... Crimson Cushion.....			..... " Peach.....		
..... Savoy, or Bloomsdale.....			..... Chalk's Early Jewel.....			..... " Pear.....		
..... Lettuce-Leaved.....			..... Comet.....			..... " Plum.....		
..... Long-Standing.....			..... Dwarf Champion.....			..... Strawberry.....		
..... Triumph.....			..... " Giant.....			TURNIP		
..... Victoria.....			..... Earlibell.....			..... Cow Horn.....		
..... Prickly.....			..... Earliana.....			..... German Teltow.....		
..... New Zealand.....			..... Enormous.....			..... Golden Ball.....		
SQUASH—Bush Varieties			..... Favorite.....			..... Grey Stone.....		
..... Golden Bush.....			..... Fordhook First.....			..... Half-Long White.....		
..... " Custard.....			..... Freedom.....			..... Jersey Lily.....		
..... White Scallop Bush.....			..... Frogmore Selected.....			..... Kashmyr Scarlet.....		
..... Mam. White Scallop Bush.....			..... Golden Queen.....			..... Milan Purple Top.....		
..... Silver Custard.....			..... Ignatum.....			..... " Pure White.....		
..... L. I. White Bush.....			..... Imperial.....			..... Montesson White Winter.....		
..... Fordhook White Bush.....			..... June Pink.....			..... Pomeranian White Globe.....		
..... Summer Crookneck.....			..... Lemon Queen.....			..... Red Top Globe.....		
..... Giant Sum. Crookneck.....			..... Livingston's Coreless.....			..... " " Strap Leaf.....		
SQUASH—Running Varieties			..... " Globe.....			..... Red Tankard.....		
..... Bay State.....			..... Long Keeper.....			..... White Egg.....		
..... Boston Marrow.....			..... Lorillard.....			..... " French.....		
..... Canada Crookneck.....			..... Magnitude.....			..... " Globe.....		
..... Cocoonut.....			..... Magnus.....			..... " Norfolk.....		
..... Delicata.....			..... Mansfield.....			..... " Strap Leaf.....		
..... Delicious.....			..... Matchless.....			..... " Snowball.....		
..... Essex Hybrid.....			..... Mikado.....			..... " Tankard.....		
..... Fordhook.....			..... Paragon.....			..... Yellow Aberdeen.....		
..... Golden Bronze.....			..... Perfection.....			..... " Finland.....		
..... Hubbard.....			..... Ponderosa.....			..... " Globe.....		
..... Hubbard Mam. Warded.....			..... Quarter Century.....			..... " Montmagny.....		
..... " Golden.....			..... Red Cherry.....			..... " Stone.....		
..... " Red.....			..... " Peach.....			..... " Tankard.....		
..... Mammoth Chili.....			..... " Pear.....			..... Ruta Baga Thorb. Family.....		
..... Perfect Gem.....			..... " Plum.....			..... " " Thorb. Purple Top.....		
..... Orange Marrow.....			..... Royal Red.....			..... " " Bangholme Swede.....		
..... Warren.....			..... Ruby Early.....			..... " " Thorb'n Best of All.....		
<i>Forward</i>.....			..... Stirling Castle.....			..... " " Champion P. T.....		
			..... Stone.....			..... " " Laing's Imp.....		
			<i>Forward</i>			<i>Forward</i>		

VEGETABLE SEEDS—continued.

Quantity	VARIETIES	Price	Quantity	VARIETIES	Price	Quantity	VARIETIES	Price
		\$ Cts.			\$ Cts.			\$ Cts.
	<i>Brought forward</i>			<i>Brought forward</i>			<i>Brought forward</i>	
	HERBS, ETC.			Herbs, etc.—continued			Herbs, etc.—continued	
	Basil, Sweet.....			Lavender, True.....			Rue.....	
	Borage.....			Marigold, Pot.....			Saffron.....	
	Burnet, Garden.....			Marjoram, Pot.....			Sage, Broad-leaf.....	
	Caraway.....			“ Sweet.....			Savory, Summer.....	
	Cardoon.....			Martynia, for pickles.....			“ Winter.....	
	Catnip.....			Orach, red.....			Scolymus.....	
	Coriander.....			“ white.....			Scorzonera.....	
	Dill.....			Pennyroyal.....			Skirret.....	
	Fennel, Sweet.....			Rampion.....			Thyme, English.....	
	“ Florence.....			Roquette.....			“ French.....	
	Lavender.....			Rosemary.....			Wormwood.....	
	<i>Forward</i>			<i>Forward</i>			<i>Total</i>	

Grass Seed and Miscellaneous Seeds, Tools, Fertilizers, Insecticides, Etc.

[illegible]

[illegible]

	\$	Cts.		\$	Cts.
			Brought forward		
			Total		
			Total Vegetables		
			Total Grass, Tools, etc.		
			Total Flower Seeds		
Forward			Grand Total		

1912

J. M. THORBURN & Co.,

33 BARCLAY STREET, | NEW YORK CITY.
38 PARK PLACE, |